Insight Data Engineering Fellows Program

is an intensive, seven week professional training fellowship. Based in Silicon Valley and New York City, the program enables Fellows to learn the industry specific skills needed to work in the growing field of data engineering at leading technology companies.
Your Bridge to a Career in Data Engineering

Are you an engineering, math, or computer science graduate or professional looking to transition into a career in big data? Do you want a career that truly leverages your engineering experience in a fast-growing, in-demand field that is making a positive impact in the world?

Top companies in many fields are hiring big data infrastructure engineers to help them store, process and make accessible the petabytes of data that they collect everyday. While the amount of data produced and stored is growing exponentially, there is a severe shortage of talent to build, maintain and optimize the infrastructure and data pipelines necessary to efficiently store, analyze and extract valuable insights from it.

The Insight Data Engineering Fellows Program is a professional training fellowship that bridges the experience gap between computer science fundamentals and data engineering. Insight is a seven week, intensive program that teaches engineers and computer scientists how to apply their existing software development skills to setup efficient, scalable big data infrastructure and pipelines. The program consists of a project-based, industry-driven learning approach based on constant interaction with leading Silicon Valley and New York engineering mentors, giving Fellows experience working with cutting edge open source big data technologies and best practices used in tech industry. Immediately following the program, Fellows will interview at leading companies, and they are likely to receive multiple job offers.

**Insight Data Engineering** in a nutshell:

1. 7 week, full-time, professional data engineering training fellowship in Silicon Valley or New York City.
2. Tuition free program, with need-based living expense scholarships.
3. Self-directed, project-based learning *(no classes!)* under the guidance of top industry data engineers.
4. Alumni network of over 200 Insight Fellows who are now working as data scientists and data engineers across Silicon Valley.
5. Interview at top companies immediately following the program.
What is Data Engineering?

The amount of data produced across the globe has been increasing exponentially and will continue to grow at an accelerating rate for the foreseeable future. At companies across all industries, servers are overflowing with usage logs, message streams, transaction records, sensor data, business operations records and mobile device data. Effectively analyzing these huge collections of data — *big data* — can create significant value for the world economy by enhancing productivity, increasing efficiency and delivering more value to consumers. Studies estimate that trillions of dollars of value in efficiency improvements and economic growth can be unlocked by extracting actionable knowledge from the deluge of data now being collected in almost every sector of the economy.

“We are on the cusp of a tremendous wave of innovation, productivity, and growth, as well as new modes of competition and value capture—all driven by big data as consumers, companies, and economic sectors exploit its potential,” write the authors of *Big Data: The Next Frontier for Innovation, Competition, and Productivity*, a comprehensive research study published by the McKinsey Global Institute.

Nowhere has the benefit of analyzing data been felt more strongly than at top technology companies. Insight was founded in Silicon Valley and has now expanded to New York City, where companies are not only leading in the production of data, they are also on the cutting edge of using insights from that data to benefit their users. To make use of this data, companies first need to be able to reliably store, process and query its huge inflows. As a result, the data infrastructure needs to be distributed, scalable and reliable, which is not a trivial engineering task given the petabytes of data involved. The role of *data engineer* is now used throughout industry to describe the highly specialized software engineers who create and maintain these robust big data pipelines. Together with data scientists who analyze the data, they form the basis of the data teams that are quickly becoming central parts of most technology companies’ technical teams. Data engineers are one of the most in-demand job roles at today’s leading companies.

1 McKinsey Global Institute, *Big data: The next frontier for innovation, competition, and productivity*
How Big is the Demand for Data Engineers?

“The march of quantification, made possible by enormous new sources of data, will sweep through academia, business and government. There is no area that is going to be untouched,” according to Gary King, director of Harvard’s Institute for Quantitative Social Science.

These advances in big data technology are paying off: in a recent article in Forbes, they reported that by “Examining more than 400 large companies, Bain found that those with the most advanced analytics capabilities are outperforming competitors by wide margins,” yet the report co-author Travis Pearson found “it’s still ‘early days’ for big data.”

Demand for data professionals far exceeds supply. Jobs for data engineers requiring expertise in big data technologies like Hadoop and Spark are increasing every year (see graph above). This demand will continue to be very strong in the years to come. “The market for Hadoop and MapReduce related software will grow at a compound annual growth rate of more than 60 percent through 2016,” according to industry analyst firm IDC data. “IDC expects the Hadoop-MapReduce market to develop like Linux did. Linux began with a lot of attention and a small market and then grew to be commonplace in most data centers. The

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one wild card for big data growth will be talent to crunch the figures as well as analyze them."  

Even with all of this excitement, there are obstacles to overcome for those who want to enter the field. Nathan Marz, inventor of Storm, author of the book “Big Data,” and Insight advisor and mentor, finds the biggest challenge for Big Data analytics is “an educational one. There’s an overwhelming number of tools in the Big Data ecosystem, all very much different than the relational databases people are used to, and none is a one-sized-fits-all solution.” Insight exists to address this challenge.

Who Are the Best Data Engineers?

Who are the best data engineers? Big data technologies like Hadoop, Spark, Kafka, Storm, HBase, and Cassandra are so new that there are few engineers have spent their entire career working with them. Instead, many come from more traditional areas of computer science, math, and engineering, and have leveraged their underlying skills to enter this fast changing, dynamic area of engineering. This includes students, researchers or professionals coming from fields such as computer science, computer engineering, electrical engineering, embedded systems, network engineering and systems engineering, to name a few. Individuals who have studied math and computer science fundamentals and have worked with large code bases or managed computational infrastructure in fields such as aerospace engineering, nuclear engineering, chemical engineering, mechanical engineering, physics and mathematics have all successfully made the transition.

Engineers and PhD’s coming from backgrounds like the ones listed above often take a long and winding road to get into the field, learning the tools used in big data informally over long periods of time and through chance encounters with the profession. While serendipity may be a good way for people to discover a field in its infancy, as it matures and as demand grows, there needs to be a more direct and efficient route into the profession. This is where the Insight Data Engineering Fellows Program comes in, and why infrastructure engineers at some of the top companies in Silicon Valley and New York are helping Insight develop the next generation of leading big data professionals.

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4 ZDNet, “Hadoop software market to hit $812.8 million in 2016, says IDC,” February 2014
Insight Data Engineering Fellows Program

As a prospective Insight Data Engineering Fellow, you possess many of the fundamental skills necessary to be a great data engineer: math, computer science, and engineering fundamentals, the ability to build complex, scalable, robust software systems, and the ability to decide between various technical trade-offs and design the best system for a given set of requirements.

While you have 90% of these foundational skills, you may be missing the final 10%: experience with big data technologies and techniques that would allow you to be productive on day one of your new job as a data engineer. Because most high-growth companies are expanding so quickly, they simply do not have the resources to ‘take a chance’ on hiring a data engineer who has these fundamentals, but does not have any hands-on experience building big data pipelines. As a result, there is a skills gap that exists between the more traditional areas of academia and engineering and big data engineering.

That’s where Insight comes in. We accept Fellows from a wide range of backgrounds, hailing from academia or industry. We provide them with the time, space and resources necessary to efficiently get up to speed on the tools, techniques and best practices they will need to learn to get hired as a data engineer.

Here’s what you need to know about the Insight Data Engineering Fellows Program in a nutshell:

1. 7 week, full-time, professional data engineering training fellowship in Silicon Valley or New York.

2. Tuition free program, with need-based travel and living expense scholarships available.

3. Self-directed, project-based learning (*no classes!*) under the guidance of top industry data engineer mentors.

4. Alumni network of over 200 Insight Fellows who are now working as data scientists and data engineers.

5. Interview and get hired at mentor companies immediately following completion of the program.
About Insight

Insight was founded in 2012 with the launch of the Insight Data Science Fellows Program, a 6-week, postdoctoral training fellowship to designed help science PhDs become data scientists. The goal for the Data Science program is to accept top scientists and provide them with the resources they need to become data scientists at innovative companies. Thanks to the hard work of the Fellows and the help of our industry mentors, the program has been a resounding success. **There are now 200 Insight Fellows working as data scientists and engineers in Silicon Valley, New York and Boston.** 100% of Fellows who completed the job search found work in a data-related role within 3-4 months, and they are now working as data scientists and engineers at top data-driven companies including Facebook, LinkedIn, Square, Microsoft, Palantir, YouTube, Netflix, Twitter, Yelp, Airbnb, Jawbone, as well as at various well-funded startups. You can find out more about the Insight Data Science Fellows here: [http://www.insightdataengineering.com/fellows.html](http://www.insightdataengineering.com/fellows.html)

> The Insight Data Science Fellows Program ... takes scientists from academia and in six weeks prepares them to succeed as data scientists. The program combines mentoring by data experts from local companies (such as Facebook, Twitter, Google, and LinkedIn) with exposure to actual big data challenges.

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While the Insight Data Science Fellows Program is geared specifically to quantitative PhDs transitioning from academia, with a focus on data science and analysis, more and more engineering PhDs have started applying to recent sessions. We also started getting inquiries from engineering and computer science BS, MS and MEng. students, as well as software professionals with years of industry experience. At the same time, some Insight Data Science Fellows with
engineering-focused PhDs or strong computer science and engineering undergraduate backgrounds were hired as data engineers. These Fellows are now building robust data pipelines, as opposed to analysis-focused data science roles. In order to run a successful data team, Insight mentor companies needed both data scientists and data engineers. In our experience, the demand for data engineers is on-par with the enormous demand for data scientists.

To meet this growing demand from both interested Fellows and companies hiring data engineers, we launched a dedicated Insight Data Engineering Fellows Program in June 2014. In the Data Science program, Fellows getting hired as data engineers was the edge case; in the new Data Engineering program, it is the focus.

The same educational model we pioneered with the Data Science program is used for the Data Engineering program: project-based learning under the mentorship of top industry professionals. And, since the underlying experience and skills to become a data engineer are different than to those needed to become a data scientist, the Insight Data Engineering Fellows Program is not restricted to PhDs, and is open to anyone with strong math, computer science, and software engineering fundamentals, whether they are coming from industry or directly from a Bachelors, Masters, or PhD program.

Who’s Involved?

Insight is a professional education startup working to help people bridge the gap from their current path to careers in data science and data engineering. With seed funding from startup investment funds Y Combinator and SV Angel and with participation from leading technology companies, we are connecting top technical talent with some of the most innovative companies in the world. Mentors for the Insight Data Engineering Fellows Program, who also plan to hire out of the program, are data engineers and engineering managers at the companies on the following page.

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5 [http://ycombinator.com](http://ycombinator.com)
WHO'S INVOLVED?
Program mentors are data engineers from top technology companies including:

--- SILICON VALLEY ---
- Facebook
- LinkedIn
- Microsoft
- Stitch Fix
- RelateIQ
- Jawbone
- Airbnb
- Intuit
- AT&T
- Twitter
- Netflix
- SVDS

--- NEW YORK CITY ---
- Capital One Labs
- Bloomberg
- Memorial Sloan Kettering
- Foursquare
- dstillery
- Quirky
- ZocDoc
- Tumblr
How does it work?

The Insight Data Engineering Fellows Program is a full-time, 7 week professional fellowship based in the San Francisco Bay Area and New York City that helps engineers, computer scientists, and other quantitative PhD’s leverage their existing software development skills to transition to a career in big data engineering. As an Insight Fellow you will receive a full tuition scholarship, making the program completely tuition free. Desk space at our office is also included for the duration of the program. Finally, need-based living expense scholarships are available.

During the first week of the program, you are introduced to the field of data engineering and participate in round-table discussions with leading industry data infrastructure engineers from mentoring companies, learning about tools, techniques and best practices while brainstorming possible data engineering projects. By the end of the first week, with the input of the mentors and peers, you will decide on a data engineering problem you will solve in the subsequent weeks: most likely this will be building a reliable, distributed, scalable data pipeline that extracts data from various sources, transforms it, and makes it readily available for analysis.

Over those next 3 weeks, you work on your project, learning the necessary technologies and techniques that you need to create a data product that will showcase your skills as a data engineer. In weeks 5 through 7, you prepare for interviews while demo’ing your project to the mentoring companies that you’re
interested in interviewing with. Immediately after the end of the program, you will interview with companies that you are interested in working for. After completing all the interviews, 4-8 weeks after the end of Insight, you should have one or more job offers from top companies and be ready to start your career as a data engineer.

**Program Details**

The Insight Data Engineering Fellows Program is a 7 week, full-time program that consists of the following:

**Intro to Data Engineering**  During the first week of Insight, top industry data infrastructure engineers will have round table discussions and lead you through the foundational concepts of data engineering, giving you a big-picture overview of what the field is about, and what makes a great data engineer. You will also discuss the types of projects that you should consider doing in order to make the most of your time at Insight. Heads of data infrastructure, data warehousing and measurement systems teams from Facebook, Netflix, Twitter, Airbnb and other top companies will make visits during this portion of the program. By the end of the week, with input from the peers and mentors, you will select the data engineering project that you will work on in following weeks.

**Data Engineering Project**  In weeks 2, 3 and 4, you’ll work exclusively on executing on your data project. The purpose of the project is meant to showcase your existing software engineering skills by applying them to data infrastructure and data pipeline problems that industry professionals deal with on a regular basis. Although you will leverage your existing computing fundamentals and software engineering skills, it will most likely be your first time using the big data technologies you will need to use to create your data pipeline, so the project will also serve as the method by which you will learn the technical skills and technologies that are standard in the industry. These include:

1. **Big Data Infrastructure** — Learn the pros and cons of a wide variety of open-source big data technologies. Install a data infrastructure that allows for the distributed processing of large data sets across clusters of computers, makes appropriate technology trade-offs and optimally solves the problem your data project is trying to address.

2. **Extracting data** — Build a robust data collection system, which reliably extracts relevant data from server logs, internal relational databases, or external data sources or web crawlers.
3. **Transforming data** — Transform, clean and normalize data to so it matches the analysis objectives of the project. Create a system that does this automatically, ensuring data consistency and quality.

4. **Loading / Storing data** — Choose the appropriate data store, set it up and load your data across multiple cloud-based server instances. Ensure that data store is scalable, performant and easily accessible via a universal API.

5. **Building visualizations and dashboards** — Create a set of monitoring tools and visualizations that will allow you and others to monitor the status of your ETL (Extract, Transform, Load) data pipeline and visualize trends, anomalies in the underlying data.

To accomplish the above you will use open-source big data technologies and select the ones that are most appropriate for your problem. That said, the mentors will focus your attention on the technologies and tools that they themselves use at their companies, so that you can get experience that is directly applicable to what you will be doing on the job.

Technologies used by mentor companies and that you may implement in your projects include: Hadoop, Spark, HBase, Hive, Pig, Cassandra, Zookeeper, Storm, Presto, Kafka, Elasticsearch, and many others.

Throughout Insight, there are no grades or other arbitrary proxies used to evaluate your work. Instead, your data engineering project will serve as your “professional portfolio,” which you will be able to show to potential employers in order to demonstrate your understanding and proficiency in the subjects tackled.

**Collaborative Learning** While your project will be self-directed, you are never left alone to fend for yourself. Your peers are there to assist you, and select Insight alumni (who are now working as data engineers) and industry mentors are on hand daily to discuss difficult-to-understand concepts or to help fix bugs. Group discussions and Q&A sessions will also be a regular part of the program, along with an informal collaborative, peer-learning culture encouraged at all times.

**Mentors** Throughout the program, you will be interacting on a daily basis with Insight mentors, all of whom are leading data engineers, software engineers and managers from industry (see list below). These are the people who work at the very same companies that you will have the opportunity to interview with at the end of the program or are involved in open-source data infrastructure development. This means that you will not only learn about the cutting edge techniques being used at these companies, but you will also get to know the actual practitioners themselves, who are actively working in the field. As a result, you will develop professional relationships with more than 2-3 dozen data
engineers. This is an invaluable professional network that you will be able to draw on throughout your career.

**Practice Interviews**  In addition to the project work and collaborative learning, you will get a chance to do practice interviews to prepare for the real thing. These mock interviews will also allow you to practice clearly articulating the experience you have developed in your prior work and while developing your data engineering project at Insight.

**Company Visits & Matching**  Starting in week 5, you will get an opportunity to visit the offices of the companies you’re interested in interviewing with and present your project to their data science teams. While this phase of the program has traditionally lasted through Weeks 5 and 6, we have recently seen so much demand for Fellows from companies that the project presentations and company visits have begun to spill into Week 7. Throughout the program you will have interacted with mentors, who are practicing data engineers, and you will have learned about which companies you are most interested in and would like to present to. Most Fellows go to visit and present at 6-10 companies that they are most excited about. The companies then reach out to those Fellows whom they feel would be a good fit for their teams and schedule full interviews.

**Interviews**  Starting in week 8, you will begin the interview process with the companies that have reached out to you as a result of your Insight project presentations in the previous week. Most Fellows interview with anywhere from 4-6 companies. While the interview process starts in week 8, it usually continues for another several weeks, with most Fellows receiving offers 4-8 weeks after the start of interviews. When all is said and done, you will most likely have an accepted job offer and a convenient start date arranged at your new job as a data engineer.

**Being an Insight Fellow**

The goal of Insight Data Engineering Fellows Program is to train the next generation of leading data engineers. To do this, we have created a program that is explicitly designed to walk Fellows directly into fulfilling careers at companies on the cutting edge of data infrastructure and engineering. These companies have a very high bar for talent and are only looking for the best possible candidates in any position they hire for. This is why we are setting a very high standard for acceptance into the program and expect entry to be quite competitive.
While a solid foundation in math, computer science fundamentals, and experience in engineering software is necessary, it is not sufficient to be an Insight Fellow. In addition to sheer smarts, we’re looking for Fellows who are extremely curious people, highly motivated, love learning across a wide range of fields, enjoy collaborating with other smart, driven colleagues and are excited about the opportunity to be on the cutting edge of a rapidly changing technical profession.

Responsibilities of Fellows

As an Insight Fellow you’re given the opportunity to learn from the best data engineers in Silicon Valley and New York City for seven weeks. The program is designed to remove as many obstacles as possible that stand between where you are now and becoming a data engineer. With these benefits, however, come a few responsibilities that you must be comfortable with before choosing to apply for the program.

• Full-time participation is expected in the San Francisco Bay Area or New York City for seven weeks of the Insight program and three to five weeks of interviews immediately following. During the program, you will be required to be at our Palo Alto or New York office from 10am-6pm Monday to Friday. Some days, you will need to stay for mentor company visits ending as late as 8 or 9 p.m., accommodating mentors who can only attend in the evening.

• Completing your Insight project will require independent work above and beyond the structured time. Fellows who have taken full advantage of the program often work late nights and weekends, collaborating with their peers. We are looking for Fellows who are enthusiastic, active participants in this intense program.

• You must intend to take a job as a full-time data engineer after the program is finished and agree to interview with mentor companies immediately after the program. If you are interested in working at a company that hasn’t participated in Insight, we’d love to help you navigate that process too, but you must let us know in advance of contacting them so that we can get them involved in the program.

• You agree to become a mentor for future Insight Fellows. In particular, this means coming in for at least three two-hour visits during the subsequent Insight program session, and two additional visits over the following year. Alumni involvement is a cornerstone of the program, and this commitment will help future Fellows learn from your experiences.
The guiding principle of Insight is to be an advocate for the Fellows and create an environment where you can learn and develop into a great data engineers. All we ask in return is that you give it your all, be fully engaged in the process and help pass on your learning to the next batch of Fellows, helping to make the Insight community stronger as a result.

Benefits to Fellows

The Insight program is designed to provide all the training, resources and connections you’ll need to effectively transition from your current position to a career in data science. Here are some of benefits of becoming an Insight Fellow:

- Full tuition scholarship paid for by the hiring companies, so Fellows pay nothing to participate in the program. Need-based scholarships are also available to help cover living and travel expenses -- our goal is to make sure everyone with the right skills can participate in Insight, regardless of their financial situation.

- Desk space at the Insight offices in Palo Alto, CA or New York City during the program.

- Tips and help from our staff to help with your living arrangements for the duration of the program.

- Guidance and mentorship from industry professionals at every stage of the program and as you prepare for interviews.

- Mentorship from alumni Insight Fellows and program advisors whose experience in their current data engineering roles, make them an unparalleled resource to provide guidance and feedback.

- Personalized company matching. We help you figure out which companies you are best off interviewing with and help you arrange the interviews during the final week of the program.

- Help navigating the negotiation of final employment terms once companies have made their employment offers to you.

- Perhaps most importantly: an unparalleled professional network of data engineers and data scientist friends and acquaintances. Through the program you will meet and get to know several dozen top data infrastructure engineers and data scientists, who are Insight mentors and alumni, all of whom will be your industry peers. These professional contacts
will be an invaluable source of knowledge, advice, career opportunities and friendship in the years to come.

Frequently Asked Questions

Will I get hired after completing Insight? Yes. We aim for approximately one hiring company participating in each session per Fellow. You will effectively be walked into interviews with a half dozen or more companies - all of whom are extremely interested in hiring data engineers. Over the past ten sessions of the Insight Data Science and three sessions of Insight Data Engineering, 100% of Insight Fellows who completed the job search found work in a data-related role within 3-4 months of completing the program, with 85-90% getting one or more offers from Insight mentor companies in the 4-8 weeks immediately following the program. The Insight Fellows who had CS or engineering backgrounds, and went into data engineering roles were hired particularly quickly each session - a telling sign of the demand that exists for this very new, highly specialized software engineering specialty. The entire fellowship is designed to train you to be a productive data engineer from day one at your new place of work, and to demonstrate this in the interviews. When you combine all of these factors, it is very safe to assume that as long as you put effort in and actively pursue the job search process through to completion, you will receive job offers following the fellowship.

What is the best time to do the Insight Data Engineering Fellows Program? The ideal time to start the program is when you are less than 4 months away from your ideal start date for your full-time job as a data engineer. In other words, if you will not be able to start your new full-time job until more than 4 months after the start of Insight, you should consider applying for a later session. In the past, about half of the Insight Fellows came to Insight after completing their previous role with the intention of starting immediately at their new job after getting hired, and the other half simply take time off from their current role for 10-12 weeks, when they are 1-3 months away from graduating or finishing their current professional commitment.

What are the prerequisites? The Insight Data Engineering Fellows Program is open to anyone with strong math, computer science, and software engineering fundamentals, whether they are coming from industry or directly from a Bachelors, Masters, or PhD program.

Do you accept Fellows who are not US citizens or green card holders? Yes. However, you must be able to be in the U.S. legally for the duration of the program/workshop, and then make sure that you will be able to
work in the US from the start date of your full-time employment for any job you receive after the program. Most mentor companies we work with are happy to apply for (H1B) work visas for engineers they hire. That said, new H1B applicants are subject to a quota that runs out quickly. Existing H1B holders can transfer employers without being subject to a quota.

If I am interested in both Data Science and Data Engineering, how should I choose which program to apply for? Data engineers create the infrastructure that data scientists leverage to do analysis — both are integral contributors to using the power of big data. If you possess a knowledge of computer science fundamentals, like to build things, and have worked with large code-bases, whether in academia, industry or other projects, then the Insight Data Engineering Fellows Program is for you. If, however, you are a quantitative PhD with wealth of experience in analyzing data, experimental design, or machine learning, then the Insight Data Science Fellows Program will be better suited to your background.

How is Insight able to offer a full tuition scholarship to Fellows? There's a shortage of people with the skills necessary to be great data engineers. Data engineering is a crucial part of what businesses need to be doing in order to successful, yet they are having trouble hiring because there are not enough candidates with the full skill set they are looking for. As a result, we have been able to negotiate hiring agreements with the companies participating in Insight, which then pay for full scholarships, making the program free for Fellows, and allowing us to offer a limited number of need-based living expense scholarships.

How much will I get paid as a data engineer? Salaries for entry level data engineers start at around $120,000 and go up with professional experience, with most mentor companies matching or beating previous salary. Fellows joining larger companies got higher base salaries, while those joining smaller startups received a greater part of their compensation in the form of stock options. The majority also received a yearly bonus of 5-15% on top of their base salary.

In addition, all the companies hiring out of our program provide a wealth of benefits. Full health and dental coverage is standard and many companies go the extra mile with employee perks, offering free food, group outings, and paid conference attendance, with some companies even providing free massages and fitness classes.

Also, each company provides stock option packages to their employees: the earlier stage (smaller) the company, the more stock you can expect to receive. The valuations of these fast moving, high growth companies often grow very quickly and a major acquisition or Initial Public Offering (IPO), can lead to a large financial gain for the employees who make that success possible. Finally, within a
few short years, there are often opportunities to move into management and other data-focused executive positions, something we hope to help you navigate if that’s a move you’re interested in making down the road.

**What type of impact can I expect to make?** Many of the companies that are involved in Insight and at which you’ll have the opportunity to work, are truly changing the world for the better. They’re building products that millions of people use every day. They’re creating new methods of communication that lead to a more open and democratic world. They’re providing access to information and knowledge that was never before available to so many people in the world. Many of them are democratizing industries that traditionally have only been accessible to a select few. Others still are opening the gates of commerce to the broader public, making companies more efficient, pushing the boundaries of technology or even transforming fundamental areas of society, like education and health.

What unifies all of these companies is that they are leveraging the power of software and the Internet to change the world. What additionally unites them is that they all have servers overflowing with data - data that has troves of truly valuable knowledge locked inside. You, as a data engineer, can be one of the people that significantly impacts the lives of thousands, even millions of people, by laying the ground work for data to be utilized throughout the business, ultimately leading to better products, an improved user experience or added value to the audiences that these companies serve every day.

Your career will not only be financially rewarding and involve working on interesting problems with smart people, but can truly affect the lives of thousands, or even millions, of people in a positive way. Being a great data engineer at these world leading organizations is not easy and to do it effectively will take hard work and dedication, but by being on the cutting edge of the new way of big data infrastructure technologies you can have a tremendously positive impact and help change the world for the better.

**Applying to Insight Data Engineering**

For programs dates and locations currently accepting applications, please visit:

[http://insightdataengineering.com/apply.html](http://insightdataengineering.com/apply.html)

If you have any questions, please email us at info@insightdataengineering.com.