Software Engineering Intern, BS/MS, Summer 2017

Google

Software Engineering

https://www.google.com/about/careers/students/

Applications for Summer 2017 internship opportunities will open on September 19th, 2016 and will close on December 2nd, 2016. Please, check back then.

Join us for a unique 12-14 week paid internship that offers personal and professional development, executive speaker series, and community-building. This program will give you an opportunity to work on complex computer science solutions, develop scalable, distributed software systems and also collaborate on multitudes of smaller projects that have universal appeal - which requires research, awareness, interactivity, and asking questions.

Google is and always will be an engineering company. From AdWords to Chrome, Android to YouTube, Social to Local, Google engineers are changing the world one technological achievement after another. We focus on being a collaborative, global organization consisting of engineers who are ready to tackle some of technology's greatest challenges and make an impact on millions, if not billions, of users. As a Software Engineering Intern, you will work on our core products and services as well as those who support critical functions of our engineering operations. Depending on your background and experience, you will be working in one of the following areas:

Product and Systems Development
Whether it's finding new and innovative ways to advance search quality, building computing platform and networking technologies, automating the indexing of videos, or continuing to refine and scale complex auction systems (just to name a few), you will be developing solutions to some of the most challenging technical problems out there. You will research, conceive and develop software applications to extend and improve on Google's product offerings and collaborate on scalability issues involving access to massive amounts of data and information. Examples of specialist domains: UI development with AJAX and similar technologies, security, embedded systems and mobile apps (Android), developer tools (IDEs, large-scale build systems, compilers).

Engineering Productivity
As a Software Engineer in the Engineering Productivity organization, you'll use your software design, analysis and programming skills to create innovative automated test systems. The test team undertakes a broad range of challenges on a daily basis, designing and building intelligent systems that can explore various use cases and scenarios for distributed computing infrastructure. Just imagine trying to design and build an automated testing system for something that's never been done before.

Site Reliability
Software Engineers working in Site Reliability are involved in every facet of Google's production and work on the cutting edge of cloud-based computing. As a member of this team you are in the thick of everything involved with keeping Google running, from code-level troubleshooting of traffic anomalies to maintenance of our most cutting-edge services; from monitoring and alerts to building new automation infrastructure. Software engineers on this team love to create robust and scalable software that scale to tens of millions of users. You will handle challenging, novel situations every day, and work with just about every other engineering and operations team to provide services and applications that are quintessentially Google - fast, reliable and accessible to all.

Google is and always will be an engineering company. We hire people with a broad set of technical skills who are ready to tackle some of technology's greatest challenges and make an impact on millions, if not billions, of users. At Google, engineers not only revolutionize search, they routinely work on massive scalability and storage solutions, large-scale applications and entirely new platforms for developers around the world. From AdWords to Chrome, Android to YouTube, Social to Local, Google engineers are changing the world one technological achievement after another.

Responsibilities

- Specific responsibilities vary by project area.

Qualifications

Minimum qualifications:

- Currently pursuing a Bachelor's or Master's degree in Computer Science or related technical field.
- Must be currently enrolled in a full time degree program and returning to the program after the completion of the internship.

Preferred qualifications:

- Experience in systems software.
- Expected graduation date in the Spring/Summer of 2018 or late Fall/Winter 2017.
- Completed projects or classes focused on Data Structures and Algorithms.
- Knowledge of Unix/Linux or Windows environment, and APIs.
- Familiarity with TCP/IP and network programming.
- Implementation skills (C++, C, Java, Python).