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Software Engineering Intern, PhD, Summer 2020

GoogleAustin, TX, USA Boulder, CO, USA Cambridge, MA, USA + 15 more locations

Apply

ⓘ   **Please complete your application before February 10, 2020.**

To start the application process, you will need an updated CV or resume and a current unofficial or official transcript in English. Click on the "Apply" button on this page and provide the required materials in the appropriate sections (PDFs preferred):

- 1. In the "Resume Section:" attach an updated CV or resume.
- 2. In the "Education Section:" attach a current or recent unofficial or official transcript in English.
  - Under "Degree Status," select "Now attending" to upload a transcript.

Note: By applying to this position your application is automatically submitted to the following locations: **Austin, TX, USA; Boulder, CO, USA; Cambridge, MA, USA; Chapel Hill, NC, USA; Chicago, IL, USA; Irvine, CA, USA; Kirkland, WA, USA; Los Angeles, CA, USA; Madison, WI, USA; New York, NY, USA; Palo Alto, CA, USA; Portland, OR, USA; Pittsburgh, PA, USA; San Bruno, CA, USA; Seattle, WA, USA; San Francisco, CA, USA; Sunnyvale, CA, USA; Mountain View, CA, USA**

Minimum qualifications:

- Currently pursuing a PhD degree in Computer Science or in a related technical field.

- Programming experience in one or more of the following: C/C++, Java or Python.

Preferred qualifications:

- Returning to a degree program after the completion of the internship.

- Research experience in the following areas; Algorithms, Architecture, Artificial Intelligence, Compilers, Database, Data Mining, Distributed Systems, Machine Learning, Networking and/or Systems.

- Demonstrated background in computer science, with competencies in data structures, algorithms and software design.

- Implementation skills with one or more general purpose programming languages, including but not limited to: Java, C/C++, C#, Objective C, Python, JavaScript and/or Go.

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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 technical challenges 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 include: 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 scales 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 take on 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 Google Ads to Chrome, Android to YouTube, Social to Local, Google engineers are changing the world one technological achievement after another.
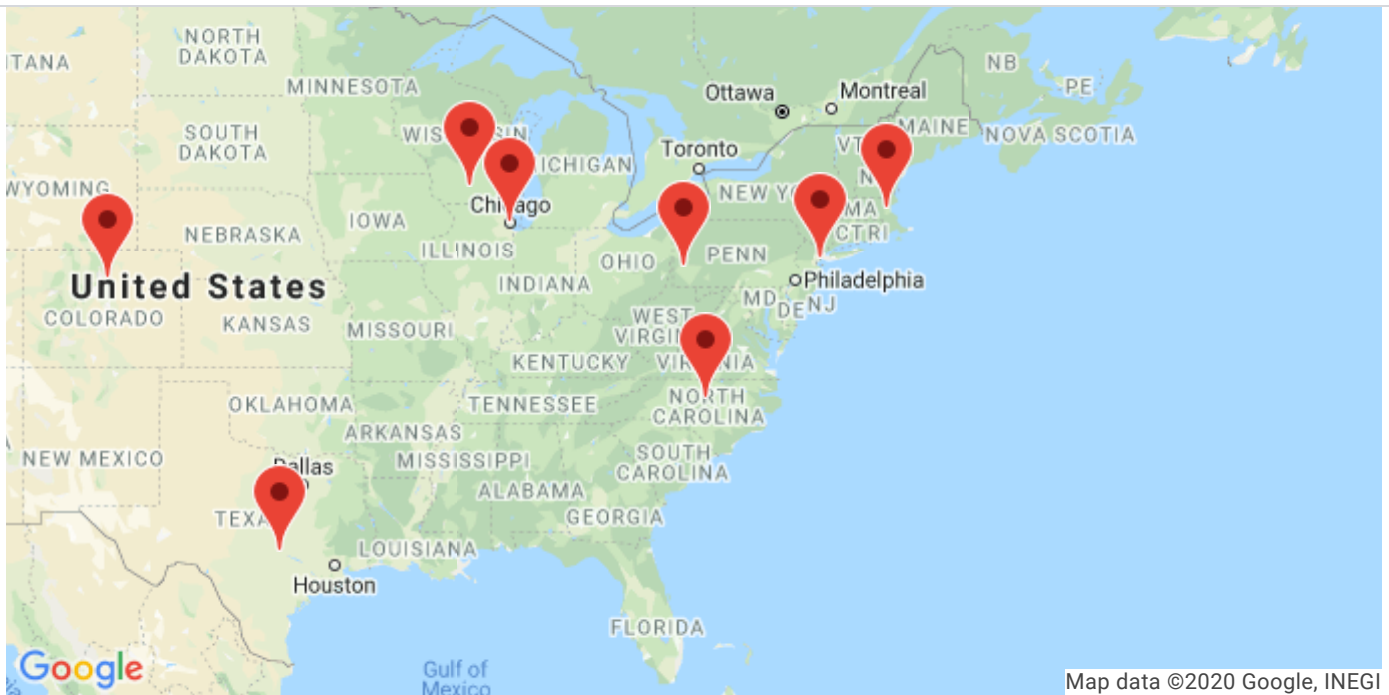
Responsibilities   ⌃

- Research, conceive and develop software applications to extend and improve on Google's product offering.

- Contribute to a wide variety of projects utilizing natural language processing, artificial intelligence, data

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