Software Engineer, Machine Learning

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Qualifications

Minimum qualifications:

- Bachelor's degree in Computer Science, or related technical field, or equivalent work experience.
- 5 years of relevant work experience.
- Experience designing and implementing distributed software systems (e.g Java, C++, or Python).
- Research or Industry experience in Artificial Intelligence, Machine Learning (ML) models, ML infrastructure, Natural Language Processing or Deep Learning.

Preferred qualifications:

- Master's degree or PhD in Computer Science, Artificial Intelligence, Machine Learning or related technical field.
- 2 years of relevant work experience in machine learning software development and architectures for machine learning (with focus on deep learning).
- Experience with one or more of the following areas: Server Backend Distributed and Parallel Systems, Full Stack Development (front end and backend), Scalable Enterprise Platforms and Applications, Application Security and Incident Management, Machine Learning, Information Retrieval or Natural language processing.
- Experience in building, deploying, and improving Machine Learning models and algorithms in real-world products.

About the job

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Google's software engineers develop the next-generation technologies that change how billions of users connect, explore, and interact with information and one another. Our products need to handle information at massive scale, and extend well beyond web search. We're looking for engineers who bring fresh ideas from all areas, including information retrieval, distributed computing, large-scale system design, networking and data storage, security, artificial intelligence, natural language processing, UI design and mobile; the list goes on and is growing every day. As a software engineer, you will work on a specific project critical to Google's needs with opportunities to switch teams and projects as you and our fast-paced business grow and evolve. We need our engineers to be versatile, display leadership qualities and be enthusiastic to take on new problems across the full-stack as we continue to push technology forward.

With your technical expertise you will manage project priorities, deadlines, and deliverables. You will design, develop, test, deploy, maintain, and enhance software solutions.

As a Software Engineer, you will get a chance to choose from a myriad of projects: building signals and models for detecting bad users and rejecting fraudulent and abusive contributions, building tools that allow Google operators to efficiently provide labels for model training and the infrastructure on which all of these run. You will also use your programming skills, develop intuition for open ended problems and learn how Machine Learning can be applied to solve real world problems.

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

- Design, develop, test, deploy, maintain and improve ML models/infrastructure and software that uses these models.
- Manage individual project priorities, deadlines and deliverables.
- Participate in cutting edge research in artificial intelligence and machine learning applications.
- Build the libraries and frameworks that support large, complex web applications.
- Contribute to engineering efforts from planning and organization to execution and delivery to solve complex, real world engineering problems.