

15 July 2024

Dear Hiring Manager, University Recruiter, Google,

I'm Jay, a CS grad student with a passion for developing software and integrating it with AI! As part of my master's program, I have been diving deep into Deep Learning and Computer Vision applications in the real world. My goal is to leverage my skills and experience to drive innovation and progress in the expansive realm of software development. I'm excited about the opportunity to collaborate with like-minded professionals on challenging projects that push the boundaries of what's possible in this ever-evolving field!

To make things easier for the recruiter, I'll answer how each qualification is relevant to my experience:

Minimum qualifications:

- **Bachelor's degree or equivalent practical experience:** I hold a Master's in Computer Science from UCSD and a Bachelor's in Computer Engineering.
- **1 year of experience with software development in programming languages:** My extensive experience with Python, my primary programming language since my undergraduate years, along with C, C++, Java, and JavaScript, has been honed across multiple high-impact internships. For instance, during my tenure as a Full Stack Development Intern at Makos Infotech, I developed server-side code using JQuery, PHP, and MySQL, and deployed relational databases on AWS RDS.
- **1 year of experience with data structures or algorithms:** My academic coursework and project engagements have always centered on leveraging robust data structures and algorithms to optimize software solutions, principles I applied extensively during my internships, such as at Legendary Entertainment where I integrated advanced security solutions using data analytics.
- **1 year of experience with machine learning algorithms and tools:** I have applied PyTorch, TensorFlow and other ML tools in several practical scenarios, including during my internship at Leadingindia.ai, where I developed a vaccine acceptance prediction model and published a research paper on the subject.

Preferred qualifications:

- **Master's degree or PhD in Computer Science:** My Master's degree included specialized courses in Deep Learning, Scalable Data/ML Systems, Computer Vision, and Advanced NLP – LLMS, preparing me thoroughly for advanced technical challenges.
- **Experience developing accessible technologies:** My project, Divya-Drishti, was specifically geared towards developing assistive technology for the visually impaired, demonstrating my commitment to creating accessible and impactful technology solutions.

Why Google, you ask?

Well, who doesn't want to work at Google! I vividly remember being in 9th grade and being in awe of what Google Photos had achieved. It was astonishing to see this marvel of engineering on my first Android phone and to wonder about the technology behind it. This admiration motivated me to pursue a career where I could contribute to groundbreaking projects that integrate AI into practical applications, making technology accessible and beneficial on a global scale.

I am eager to bring my background in machine learning and my proactive approach to problem-solving to Google, where I hope to contribute to innovative projects and learn from the best minds in the industry.

Thank you for considering my application. I am looking forward to the possibility of discussing how I can contribute to the team and help continue Google's legacy of innovation.

Best,
Jay