

Leyna Nguyen

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Dear Hiring Manager,

I am excited to apply for the Software Engineer Intern position. As a fourth-year Computer Science student at the University of California, Irvine, with hands-on experience in artificial intelligence, web development, and teaching, I am eager to bring my technical expertise, collaborative mindset, and passion for innovation to your team.

During my time as a **Lab Research Assistant** at UCLA's Hinman Lab, I contributed to cutting-edge stroke recovery research by developing an AI-driven axon regeneration classifier. This project required me to integrate RNA sequencing data and neuron microscopy images using advanced machine learning algorithms, leveraging tools like Seurat and NeuroQuantify. This experience honed my ability to translate complex data into actionable insights—skills I am excited to contribute as an intern.

In addition, my role as a **Teaching Assistant** for Data Structures & Algorithms allowed me to refine my ability to communicate complex concepts effectively. I developed and delivered lectures on topics such as trees, graphs, and concurrency while guiding students through projects in system design and multithreading. My ability to teach and mentor stems from my dedication to fostering growth in collaborative environments, qualities I believe are essential in a collaborative team environment.

Beyond academia, I applied my technical skills to develop a scalable web application, **Fabflix**, which serves a catalog of 12,000 movies with secure logins, auto-suggestions, and a streamlined checkout process. This project sharpened my proficiency in AWS, MySQL, and Kubernetes while demonstrating my commitment to delivering high-performing, user-focused solutions.

With my blend of technical experience, adaptability, and dedication to teamwork, I am confident in my ability to make a meaningful contribution as a Software Engineer Intern. I would welcome the opportunity to discuss how my skills and experiences align with your needs.

Thank you for considering my application. I look forward to the possibility of contributing to your team and supporting your goals.

Sincerely,

Leyna Nguyen