Leyna Nguyen

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EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE   Irvine, CA
Bachelor of Science in Computer Science   Sept. 2023 – Dec 2025
Relevant Coursework: Advanced C++, Principles in System Design, Project in Databases, Data Structures & Algorithms

EXPERIENCES

Artificial Intelligence Intern   Los Angeles, CA
UCLA Department of Neurology   Mar. 2024 – Present
- Selected from a pool of thousands of applicants to join 250 students in an 18-month program to master critical skills in data science, machine learning (ML), and artificial intelligence (AI)
- Gained proficiency in constructing data analysis pipelines, training ML models, Jupyter, NumPy, and Pandas
- Applied this knowledge to my role as a Lab Research Assistant, where I developed an AI-driven axon regeneration classifier

Lab Research Assistant   Los Angeles, CA
Hinman Lab   Sep. 2024 – Present
- Contributed to stroke recovery research at one of the leading neurology labs in the U.S., using AI and machine learning to identify potential drug therapies with a team of 6
- Developed an AI-driven axon regeneration classifier by integrating RNA sequencing data and neuron microscopy images with advanced machine learning algorithms
- Leveraged tools like RegenOrNoRegen, Seurat, NeuroQuantify, and Garnett to optimize the classifier, supporting research aimed at improving recovery outcomes for stroke patients

Teaching Assistant   Irvine, CA
UCI Department of Computer Science   Jan. 2024 – Dec. 2024
- Developed and delivered lectures on advanced Data Structures & Algorithms, focusing on high-level concepts such as trees, graphs, and complex algorithms
- Assisted students in lab projects, guiding them through developing a simple shell in C, dynamic memory allocators, and multithreading using tools like GDB, Vim, and VS Code
- Taught principles of system design in C, including multiprocesses, multithreading, POSIX system calls, and concurrency

Application Developer   Irvine, CA
Fabflix Movie Database Web App   Sep. 2022 – Mar. 2023
- Collaborated in team of 2 to design and deploy a scalable web app on AWS, MySQL, and Tomcat, enabling users to search, browse, and buy from a catalog of 12,000 movies with features like secure logins, auto-suggestions, and a checkout process
- Built a user-friendly front-end using JavaScript, jQuery, and AJAX, improving the browsing and purchasing experience
- Optimized performance by 20% and scalability with MySQL replication, connection pooling, and Kubernetes deployment across multiple AWS instances

Mortgage Banker   Orange County, CA
Mr. Cooper & Ladera Lending   Jan. 2020 – Feb. 2021
- Achieved top loan officer status within the first few months of onboarding, originating over $6,000,000 in monthly sales
- Addressed challenges, conducted client consultations, and managed a client intake and pipeline of 125+ clients

TECHNICAL SKILLS

Programming languages: C, C++, Java, Python, JavaScript, SQL, R, HTML, CSS, MIPSzy
Tools/Frameworks: Git, Docker, Kubernetes, AWS, React, Node.js, MySQL, JDBC, RESTful APIs, jQuery, reCAPTCHA, Catch2, NPM, Tomcat, Apache, jMeter
Certifications & Training: Cornell ML Foundation, NMLS, CPR, First Aid/AED, U of Helsinki MOOC Java
Activities: Top 10 National CelebratingArt Competition (2013), Biked 800 miles through Oregon/Washington (2021), Swing Dance @ UCI Board (2025)