

Leyna Nguyen

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EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE

Irvine, CA

Bachelor of Science in Computer Science

Sept. 2023 – June 2025

Relevant Coursework: Software Development, Systems Design, Project in Databases, Advanced Data Structures & Algorithms

EXPERIENCES

IT Cloud Operations Intern

Herndon, VA

SAP NS2

Expected Start Date: June 2025

- Support cloud and on-premise IT operations by performing hands-on technical work
- Develop experience in data network and IT security related items, including managing and installing patches to servers
- Collaborate with cross-functional teams to troubleshoot issues, gather requirements, and assist in project lifecycle management for technology and change implementation workstreams

Application Developer

Irvine, CA

Fabflix Movie Database Web App

Sept. 2024 – Dec. 2024

- 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

Lab Research Assistant

Los Angeles, CA

Hinman Lab

Sept. 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

Artificial Intelligence Intern

Irvine, 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

Teaching Assistant

Irvine, CA

UCI Department of Computer Science

Jan. 2024 – Dec. 2024

- Developed/delivered lectures on Data Structures & Algorithms, focusing on concepts such as trees, graphs, and 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

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: Python, C, C++, Java, JavaScript, CSS, HTML, SQL, R, MIPSzy

Tools/Frameworks: Git, Docker, Kubernetes, AWS, Numpy/Pandas, scikit-learn, React, MySQL, RESTful APIs, jQuery

Certifications & Training: Cornell ML Foundation, NMLS, CPR, First Aid/AED, U of Helsinki MOOC Java

Activities: Presented at CCSC-SW CS Research Conference (2025), Swing Dance @ UCI Board (2025), Biked 800 miles through Oregon/Washington (2021), Top 10 National CelebratingArt Competition (2013)