

Orrane Reid

West Covina, California, USA

626-838-4032 | reid.orrane@gmail.com | [linkedin.com/in/orrane-reid](https://www.linkedin.com/in/orrane-reid) | github.com/rainyday21 | rainyday.is-a.dev

EDUCATION

California State University - Los Angeles

Los Angeles, California

Master of Science in Computer Science; RQF Level 7

Aug 2024 – May 2026

- Engaged in graduate research on utilizing large language models to decompose high-level goals into achievable and consistent subgoals and subplans to aid in planning for neurodivergent populations.
- Frequently engaged in collaborative projects with peers to best apply skills in various aspects of study
- Created a Python-based TCP test application to test network speeds via a cross platform client-server model
- Utilized Google BERT large language model to form a recommender system in PyTorch that was trained on a subset of the Gutenberg library dataset

California State Polytechnic University, Pomona

Pomona, California

Bachelor of Science in Computer Science; RQF Level 6

Aug. 2020 – Dec 2023

- Engaged in project-based learning to apply current computer science skills in the fields of machine learning, mobile application development, software engineering, and full-stack development.
- Attained Dean's List for High Academic Performance in 2023

Statement of Comparability

UK National Information Center (ENIC)

- High School Diploma: RQF Level 2
- GCSE Maths Comparable
- GCSE English Comparable

PROFILE

A dedicated computer science masters graduate with hands-on experience in full-stack development, artificial intelligence, machine learning, and mobile applications. Looking to work in a software development capacity to best contribute my skills and to grow in a collaborative environment and advance technological solutions, and am fully willing to relocate.

TECHNICAL SKILLS

Certifications: Artificial Intelligence Fundamentals: IBM

Languages: Java, Python, C/C++, Dart, Kotlin, SQL (Postgres, MySQL), JavaScript, TypeScript, HTML/CSS, R

Frameworks: Flask, JUnit, Material-UI, Flutter, React & React Native, Express, Svelte, Vue, Qiskit

Developer Tools: Git, Docker, Amazon AWS, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Wireshark, Linux, LaTeX

Libraries: Express, Fastify, Matplotlib, NumPy, Pandas, PyTorch, SciPy, Scikit-learn

TECHNICAL EXPERTISE

LLM Subgoal Formation: CSLA Thesis | *Langchain, Jupyter Notebooks, Ollama*

September 2025 – May 2026

- Created a large language model (LLM) pipeline for converting high level goals to accessible subgoals for vulnerable populations
- Utilized a mix of dense and MOE models for local LLM processing and integrations
- Tested against TravelPlanner and Natural Plan dataset for gauging accuracy

Book Recommendation System | *PyTorch, Scikit-learn, Kaggle, cuml*

November 2024 – December 2024

- Created embeddings of pretrained book data found from the Project Gutenberg library and hosted on Kaggle
- Utilized Google's pretrained BERT LLM for book and inquiry embeddings
- Accelerated workloads with CUDA and compatible PyTorch, Jupyter, and Scikit-Learn libraries
- Visually mapped via UMAP and HDBSCAN clustering

ParkIt Mobile Application | *React Native, Node, TypeScript*

September 2024 – December 2024

- Contributed to cross-platform mobile application platform for parking space rental
- Created front-end components for owner and user experiences using React Native
- Implemented back-end routing via Express, including file upload via Multer and API integration

Image Recognition Model | *PyTorch, Scikit-learn, Kaggle*

November 2023 – December 2023

- Formulated a convolutional neural network (CNN) for image recognition using PyTorch
- Utilized Python libraries to initialize datasets, train, and test model
- Attained over 70% in Kaggle competition

Seafloor | *Dart, Flutter, Bash*

June 2023 – July 2023

- Created an application for remote monitoring, command execution, and system information for Linux computers
- Developed an Android mobile application using the Dart language and the Flutter framework
- Utilized shell commands for system monitoring and command execution
- Implemented SSH functionality via open-source packages for secure connection

WORK EXPERIENCE

Warehouse Associate

July 2021 – Present

Amazon DAX7, DSP1, LGB7

South Gate, California; Rosemead, California, Rialto, California

- Assisted with logistics and storage of packages
- Participated in order fulfilment with roles in various phases of the fulfilment cycle, including package storage, retrieval, and packaging
- Received numerous commendations for outstanding contributions in given duties
- Worked with artificial intelligence and robotics for item storage and retrieval
- Utilized Amazon Career Choice for educational and professional development

Freelance Teaching

June – July 2022

Introduction to Java Programming

Online

- Taught classes over remote video calls
- Taught introductory computer science concepts using Java
- Utilized remote development environment via SSH and self-hosted storage

REFERENCE

Armando Beltran Verdugo

California State University, Los Angeles

PhD., Center of Scientific Research and Higher Education of Ensenada

abeltr99@calstatela.edu | +1(323)343-6690

- Artificial Intelligence
- Computational biology
- Machine Learning
- Optimization

CERTIFICATIONS

AWS Educate Machine Learning Foundations

July 16, 2026

AWS Educate

Artificial Intelligence Fundamentals

June 14, 2024

IBM Skillsbuild

VOLUNTEERING

West Covina Hills Pathfinder Club, 2020 - Present: a church youth organization that focuses on youth development by teaching them life skills and activities.

I have served as a counselor for four years, teaching lessons to a group of club members and engaging in outdoor activities like hikes and camping trips.

INTERESTS

LLM Self-Hosting | Nvidia GeForce RTX 4080 (Mobile), Nvidia GeForce RTX 3090

2024 - Present

- Self-host LLMs via Ollama for ease of retrieving, hosting, and utilizing open models
- Utilized LLMs with python libraries for LLM testing and project work
- Integrated LLMs with Claude Code, Github Copilot, Continue, and other tools for aid in project development
- Implemented Langfuse and Langchain into local models for model testing, development, and logging

Self-Hosting | Raspberry Pi 4(4GB, 8GB), x86 Thin Client

2023 - Present

- Self-host numerous services via bare-metal and Docker environments
- Implemented security measures with a Caddy reverse proxy and Authentik identity provider combination
- Utilize self-maintained Nextcloud services for work, projects and documentation
- Integrated Zotero with personal cloud for synchronized research documents across devices
- Implemented CI/CD into local workflows and GitHub using self-hosted Jenkins server