

EDUCATION

University of California, Irvine

Expected Graduation in June 2026

- Bachelor of Science in Computer Science, Specialization in Intelligent Systems - 3.54 GPA
- **Relevant Coursework:** Data Structures and Algorithms, Principles in System Design (Operating Systems), Computer Architecture, Human Computer Interaction, Probability & Statistics for CS, Linear Algebra, Calculus, Information Retrieval, Intermediate Programming in Python, Machine Learning and Data-Mining, Artificial Intelligence, Formal Languages and Automata, Critical Writing, Requirements Analysis & Engineering, UNISTU 198 – LA Mentoring
- **Technical Skills:**
 - Programming: Python, C, C++, Java, SQL, JavaScript, HTML, CSS
 - Frameworks & Libraries: React, FastAPI, Firebase, PyTorch, TensorFlow, Pandas, Matplotlib, Unit Testing
 - Tools: Git, Linux, Figma, Canva, Microsoft Office, Google Workspace
 - Technologies: HRIS fundamentals, Firebase
- **Extracurriculars:** BlockChain at UCI, WICS, Design at UCI, Data at UCI, Hack at UCI, Running Club, Intramural Soccer

Handsworth Secondary - Double Dogwood Diploma with Honors, Completion of the French Immersion Program

- Varsity Basketball, Varsity Soccer, Peer Tutoring Club President and French/Math Tutor

RESEARCH EXPERIENCE

Incoming Research Assistant - BiasLab, UC Irvine

Summer 2025

- Selected to assist in research at the intersection of AI, fairness, privacy, and high-dimensional computing
- Will support projects involving hyperdimensional computing, neuromorphic architectures, and machine learning robustness

Deep Learning Research - Universidad Carlos III de Madrid (UC3M)

Summer 2024

- Conducted research on Evolutionary Computation and Neural Networks under Professor Francisco Javier García Blas
- Utilized PyTorch and TensorFlow to implement neural networks and evolutionary algorithms for developing animal X-rays with reduced radiation
- Worked independently while providing regular weekly reports on progress and results to the research team

PROJECTS

Weatherfy | React, FastAPI, Gemini API, Spotify API, Open-Meteo API

Present

Personal Project

- Building a React + FastAPI app that uses Open-Meteo API and Gemini AI to suggest music genres tailored to weather.
- Integrated Spotify OAuth to fetch user data and generate playlists with personalized recommendations.
- Planning deployment to AWS with S3 for static hosting, EC2 for backend services, and RDS for future playlist storage, along with CI/CD pipelines for scalable and automated development.

Freshventory | React Native, FastAPI, Firebase

Winter 2025

IrvineHacks

- Developed a React Native mobile app with FastAPI backend to reduce food waste using AI image detection of fridge items
- Integrated the Spoonacular API (380K+ recipes) to recommend meals based on current fridge contents

Search Engine | Python, MongoDB, TF-IDF

Fall 2024

Personal Project

- Built a full-text search engine in Python that indexed over 1,000,000 documents with a custom inverted index and TF-IDF scoring
- Integrated MongoDB for large-scale document storage; designed plans to implement PageRank-like algorithm
- Integrated a React.js interface to enhance front end experience

Student Performance Analysis | Python, Pandas, Matplotlib

Winter 2025

Data at UCI Project Team

- Collaborated with a team to analyze student performance school data from Portugal as a quarter long project
- Utilizing statistical techniques and data visualization to identify performance trends and influential factors
- Project findings presented to a panel of industry professionals for feedback and evaluation

WORK EXPERIENCE

Learning Assistant | University of California, Irvine

2023-2025

- Mentored 100+ students in Python for intermediate programming at UCI
- Led group debugging sessions, explained concepts like recursion, OOP, modular design
- Collaborated with faculty to improve student engagement and instructional quality

Brand Ambassador/Sales Associate | Aerie

2022-2023

- Engaged with customers in a retail setting to promote and sell the company's clothing, accessories, and ensured store upkeep by organizing clothing displays, folding shirts, and removing wrinkles through steaming
- Managed point-of-sale transactions including cash handling

ACHIEVEMENTS

- Dean's Honor List - Winter 2023, Fall 2023, Winter 2025, Spring 2025
- BC Achievement Scholarship, awarded to the top students in the province (2022)
- Vancouver and District Banner Girls Soccer Champions (2018, 2019, 2022)