

Alex Maxime Eddy Ronce

Santa Monica, California | (323) 891-7802 | alexronce.cs@gmail.com | GIT: [alexronce4-igtm](https://github.com/alexronce4-igtm) |
Portfolio: <https://alexronce4-igtm.github.io/alexronce4-igtm.github.io-portfolio/>

Education

Associate of Science, Computer Science

Santa Monica College, Santa Monica, California

GPA: 3.9

Relevant Coursework: Calculus ; C++ Programming; Assembly Language; Java Programming; Digital Logic; Computer Science Independent Studies; Intro to Data Structure with C++ , Discrete Structures for CS

Campus Involvement: STEM MAS Program; Computer Science Club, A.S. Commissioner - External Affairs

Honors: Pathfinder Workforce Development Travel Grant 2026 Semiconductor Conference

Skills

Languages: Python, Java, C++, JavaScript, HTML, CSS

Backend: Spring Boot, REST APIs, PostgreSQL, API design

Systems & Tools: Git, Docker, Linux, AWS (S3, EC2), CI/CD (GitHub Actions)

AI/ML: scikit-learn, data analysis, LLM APIs (Gemini, Claude Vision)

Spoken languages: French - Bilingual

Programming Projects

Reach

May 2026

Hack2Impact 2026, UCLA, Los Angeles

- **1st Place End Overdose Track + Most Visionary Design Award**
- Build an AI overdose emergency response app reducing steps between crisis and help
- Implemented AI companion chatbot with Claude API + voice input/output via Web Speech API
- Integrated Claude Vision API for visual symptom detection and automatic EMS report generation

Aurora - AI Energy Crisis Simulator

March 2026

Gemini Hackathon, UCLA, Los Angeles

- Built a War Room simulator where users navigate live energy crises, deployed on Streamlit Cloud
- Engineered a 3-agent pipeline (Planner, Critic, Verdict) powered by Google Gemini to model cascading decision outcomes
- Developed an interactive War Room interface for dynamic scenario exploration

MIRROR - Preventive Health AI

April 2026

PantherHacks 2026, Chapman University, Los Angeles

- Built an AI wellness companion that detects fatigue, stress, and hydration from a user's face in real time, using Claude Vision API, Flask, and face-api.js
- Designed a clean, accessible interface with voice feedback and session tracking, no technical knowledge required to use it

Production Support Dashboard + Incident API

February 2026

Computer Science Independent Study CS88A, Santa Monica College, Santa Monica, California

- Built a production-style REST API (Spring Boot + PostgreSQL) with JWT auth, role-based access, and automated CI/CD pipeline via GitHub Actions

Additional Experience

USC CHIPS Fellows Program | Semiconductor

April 2026 -May 2026

USC Viterbi School of Engineering, Los Angeles

- Selected (top 5% acceptance) for competitive semiconductor fellowship at USC Nanolab, one of few community college students
- Participated in hands-on cleanroom training, fabrication processes, and microchip manufacturing

HVAC Systems Engineer & Manager

September 2020 - October 2024

Cogeclima, Paris, France

- Managed HVAC infrastructure for Paris 2024 Olympic Games venues and prestigious clients including Dior and City of Paris, resolving complex system failures under high-stakes operational constraints
- Grew from technician to manager over 4 years, increasing client sales by 23% and improving energy performance of commercial buildings by 15%