

Sipan Arakelian

Software Developer | Full-Stack Developer

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Education:

California State University, Northridge

Bachelor of Science in Computer Science

Graduated 2026

Technical Skills:

Languages

- Python, Java, JavaScript, SQL, HTML/CSS, PHP

Frameworks & Technologies

- React, FastAPI, WordPress, Streamlit, JavaFX, OpenStack, Godot, Unity

Tools

- Git/GitHub, Version Control, Docker, Linux, XAMPP, Neon PostgreSQL, SQLite

Concepts

- Full-Stack Development, Frontend Development, Backend Development, REST API Development, Authentication & Authorization, Cloud Computing, Reinforcement Learning, Machine Learning, Artificial Intelligence, Agile Development, Object-Oriented Programming, Cryptography, Database Management

Projects:

Monster Ate My Homework

- Built full-stack educational platform using React, FastAPI, PostgreSQL, and Godot
- Developed authentication, role-based dashboards, and API integration

OptiMind HVAC AI

- Developed machine learning and reinforcement learning HVAC optimization system using Python and PPO
- Built Streamlit dashboard for AI monitoring and performance analysis

OpenStack VM Tool

- Built Python cloud infrastructure CLI tool for managing OpenStack virtual machines
- Implemented VM deployment, listing, and audit logging features

DES File Cipher

- Developed Java DES encryption/decryption application with JavaFX GUI
- Implemented cryptographic logic, SQLite key storage, and secure file handling

Hotel Management System

- Built Java and SQL-based hotel management backend system
- Implemented room management and administration functionality

Experience- Village Liquor and Wine | July 2021 – Present

Customer Service & Team Support

- Provided customer service and team support in a fast-paced retail environment while developing communication and problem-solving skills