

Pitzil Avila-Castellanos

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EDUCATION

Azusa Pacific University

Bachelors of Science, Computer Science

Azusa, CA
Expected December 2028

- Trustees Scholar — awarded for 4.22 GPA and Valedictorian status at Walnut High School
- Dean's List Recipient Fall 2025, Spring 2026
- Hispanic Information Technology Executive Council (HITEC) Scholar — selected for academic and vocational excellence
- Linux Foundation Inclusivity Scholar — selected to attend Open Source Summit North America 2026

TECHNICAL EXPERIENCE

International Youth Alliance for Peace

Systems, Intelligence, and Monitoring Intern

Colombo, LKA
July 2026 – Present

- Conducting stakeholder mapping and partnership intelligence analysis for IYAP's Global Alliance & Stakeholder Intelligence System, laying groundwork for a planned PostgreSQL/Django database to centralize international program partnership data
- Supporting reporting and monitoring system improvements by organizing and structuring multi-stakeholder data across IYAP's international programs

Watoto, Intl.

Software Engineering Intern

Kampala, UG
February 2026 – June 2026

- Built a high-concurrency edge server using LattePanda Iota and GL.iNet Opal to serve a custom Django application over a private, offline network in a low-resource environment
- Designed a PostgreSQL data layer to manage complex relational models, enabling structured data storage and retrieval to support future analysis in a fully offline deployment

Azusa Pacific University

Junior System Administrator

Azusa, CA
January 2026 – Present

- Developed a Python-based automated audit system that ingests and analyzes endpoint data across 700+ macOS devices, surfacing compliance patterns against university naming conventions
- Standardized Mobile Device Management (MDM) workflows in Jamf Pro to streamline campus-wide technology deployments and reduce manual overhead

Newegg Commerce, Inc.

Data Analyst Intern

Diamond Bar, CA
June 2025 – August 2025

- Conducted a 55-point customer experience audit, applying structured data analysis to identify behavioral patterns across key touchpoints; synthesized findings into executive presentations for 10+ company leaders and C-Suite

PROJECTS

CVBuilder (Offline Web Application)

Python, JavaScript (React), Bash, Django, PostgreSQL, Nginx, Linux

- Built and deployed a full-stack CV generation interface (Django REST API, PostgreSQL, React, Unicorn, Nginx) as an air-gapped offline system on a LattePanda x86 SBC in Uganda, accessible via a self-hosted WPA3 hotspot with no internet dependency at runtime

COMMUNITY ENGAGEMENT

Bithiah's Family Services

Coordinator of Volunteers

Pomona, CA
September 2020 – Present

- Led a bilingual initiative translating 80+ pages of materials into Spanish; coordinated 50+ supply distribution events for foster and adoptive families

California State Capitol

Student Testimony - SB 897

Sacramento, CA
January 2024 – September 2024

- Testified before the Senate and Assembly Education Committees; collaborated with Senator Josh Newman and 15+ school districts statewide to advance equity in education legislation

SKILLS

Languages & Tools: Python, Java, PostgreSQL, MySQL, HTML, Django, Bash, React, Git, Linux, Jamf Pro

Spoken Languages: Spanish (native), English (native)

HONORS & AWARDS

Girl Scout Gold Award | Women of AT&T Scholarship | Project Lead the Way Computer Science Service and Leadership