

Makalapua Goodness

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Objective

Computer Science student graduating June 2026 seeking software engineering roles. Experience with Python and Java, applied computer vision/machine learning projects, and backend-focused coursework. Strong background in teamwork and technical execution from prior leadership roles.

Education

University of Washington , BS in Computer Science	Graduation date: June 2026
• Coursework: Systems Programming (C/C++) Security (Python, C), Data Structures and Parallelism(Java), System and Software tools (Unix, VIM), Computer Vision (Python), Intro To AI, Intro To Databases (SQL)	
Seattle Central College , AS in Computer Science DTA/MRP	September 2022 - June 2024
• Coursework: Intro to Programming 1-3 (Python, Java)	
American Public University , AS in Computer Applications	Oct. 2017 - Feb. 2022
• Coursework: Advanced Productivity Applications (Office Suite), Intro to Software Design, Intro to IT Writing	

Projects

SnapShop Image Processing tool

- Developed a program to apply various filters to JPEGs using convolution kernels for each pixel of an image.
- Tools Used: Java, Eclipse IDE

YOLO-Based Trash Detection System (Group Project)

- Trained a YOLO-based object detection model on a custom trash dataset
- Adjusted training parameters and analyzed results to improve model performance
- Tools Used: Pytorch, VSC

Assignment-Tracker

- Designed and implemented a RESTful backend service using FastAPI and SQLAlchemy to manage academic course and assignment data.
- Modeled relational database schema with SQLite, implemented CRUD endpoints with filtering, and small analytic routes for upcoming tasks.
- Tools Used: Python, FastAPI, SQLAlchemy, SQLite, SwaggerUI

Experience

Logistics Test Team Manager , United States Air Force	Mar. 2020 – Mar. 2022
• Managed, coordinated and sustained Test and Evaluation teams for maintenance manuals supporting \$44 billion acquisition program.	
• Reviewed and revised multiple publications consisting of over 10,000 tasks.	
• Key figure in incorporating procedures for aerial refueling boom inspection. Corrected/revised 19 discrepancies and increased mission capability of new asset.	
Senior Maintenance Operation Controller , USAF - Okinawa, Japan	Sep. 2018 – Mar. 2020
• Managed a 27-person team responsible for maintenance and flying operations for the Air Force's largest combat fleet worth over \$4.2 billion.	
• Maintained and updated maintenance and operations data for upper management.	
• Supported Pacific Air Force's sole MedEvac fleet. Assisted in the effort of saving 30+ lives.	

Skills

Languages: C/C++, Java, Python

Systems: Git, Unix, GDB, Valgrind

Tools/Libraries: PyTorch, YOLO, GIT

Databases: SQL (SQLite/ PostgreSQL)

Concepts: Data Structures, AI Design, Backend