

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++), Securities (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.
- 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 and 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