

Luke Jones

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Davis, CA

Github: [lpjones.github.io](https://github.com/lpjones)

EDUCATION

University of California, Davis

Degree:

BS/MS Computer Engineering

Expected BS:

June 2024

Expected MS:

June 2025

GPA:

3.9

Relevant Classwork:

- Used CUDA to train machine learning models for object detection
- Turned serial programs into parallel programs using Cilk to increase performance
- Built a simple shell on Linux to run terminal commands
- Created a script to web crawl 1000 websites for cookie information using Selenium
- Math Experience: Calculus, Differential Equations, Linear Algebra

TECHNICAL SKILLS

Programming Languages:

C/C++, Python, RISC Assembly, Verilog

Tools & IDE:

Git, Visual Studio Code, Quartus

Operating Systems:

Windows, Mac, Linux

Machine Learning:

Object detection, Pose detection

WORK EXPERIENCE

Jan 2022-present: IHSS, Health Care Provider. In-home care for a client with disabilities

PROJECTS

- Programming a Jetson NanoRC car to follow a person using object and pose detection
- Created a maze solver display with the ability to choose the solving algorithm
- Used a YOLO object detection model to track the path traveled of people in a video
- Created an educational game to help students analyze a logic problem in a middle school math class

INTERESTS

VR/AR, Weight lifting, Math, Video and Board games

Using a Jetson nano and intel realsense camera to make an RC car follow a person using object and pose detection machine learning models built on Tensorflow and Pytorch

Sklearn, opencv, cuda,

Doing object and pose detection using