Aaron Philip
Software Engineer

Education

University Of California, Los Angeles
Computer Science B.S.   June 2021
GPA: 3.5

Coursework:
Object-Oriented Programming, Data Structures, Software Engineering, Algorithms, Computer Organization

Experience

Symantec
Software Development Intern   June 2018-Sep 2018

- used Sciter and C++ to build a new dashboard for Norton Products
- used Python to write automation test scripts
- wrote python libraries for automation testing
- implemented telemetry in the dashboard for recording user actions

Projects

Image Segmentation on Faces
Machine Learning   Dec 2017-Jan 2018

- used Keras-Tensorflow to build a fully convolutional network to segment faces
- trained on the LFW Parts Labels dataset for 4 hours and reached 92% accuracy
- wrote an open source CLI script to allow users to train their own FCN

cutoutmyface.com
Web App   Aug 2018-Now

- using React, TensorflowJS, and Python Flask to create a web app for making face stickers
- I trained an FCN to segment faces (see above)
- user uploads an image of their face and the app returns a face sticker

Unmanned Aerial Systems (AIAA-UAS)
Computer Vision   Sep 2017-June 2018

- built an autonomous drone to compete in AUVSI SUAS
- used Python, Tensorflow, and OpenCV
- trained multiple convolutional neural networks to identify shapes and letters from aerial images
- used K-means clustering to segment images

Contact

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Leadership

ACM Artificial Intelligence
Officer   Jan 2018-Now

- ACM is the largest computer science club on campus
- I teach machine learning to 50-100 students a week in 2 tracks, beginner and advanced
- I help organize interest events such as "Demystifying AI" to introduce a wider audience to AI and its effects on society

Unmanned Aerial Systems
AI External Officer   Now

- helping to lead a group of ML engineers in building the vision systems for an autonomous drone
- competing in AUVSI SUAS

Skills

Best
Python · C++ · C · Keras

Better
Tensorflow · Javascript · React · Bash

Basic
Java · Angular · Node.js · PyTorch · Flask