

HARRY LANE

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EDUCATION

Georgia Institute of Technology // *Atlanta, GA*

Candidate for Bachelor of Science in Computer Science - Expected Graduation: Fall 2017

- Concentrations in Intelligence and Systems & Architecture
- GPA: 3.63

EXPERIENCE

Georgia Tech Teaching Assistant

Fall 2016, Atlanta GA

- CS 1331 - Intro to Object Oriented Programming

GrubHub // *Mobile Development Intern*

Summer 2016, Manhattan NY

- Rewrote and redesigned Apple Watch App to utilize new APIs in watchOS 2
- Worked with design team to implement rebranding of Android app
- Refactored error messaging system through iOS app

UPS Supply Chain Solutions // *Engineer Co-op*

Fall 2014 and Summer 2015, Alpharetta GA

- Developed an SQL database to house, organize, and store project information
- Reduced lead time of projects by 70% by automating tasks through Python scripts

PROJECTS

JOS

Built a basic operating system for x86 with unix like features implemented in an exokernel fashion which supported paging, COW forking, and a file system.

Scene Recognition

Classified images in the 15 scene database using a variety of techniques including: a shallow network trained from scratch, a fine tuned VGG-F network, and bags of local features with learned SVM linear classifiers

Spotify Playlist Generator

Used Spotify's API to create a playlist based off of pool of music

Controlling Lights with Raspberry Pi

Successfully controlled LED light strips through IR signals by analyzing live music

SKILLS

Proficient In

Java
Python
C
Swift
Objective C
Javascript

Familiar With

Node
Express
jQuery
RESTful
Linux
Flask

Toolkit

Git
Terminal
Xcode
Charles
gdb

Relevant Coursework

Computer Vision
Operating Systems
Introduction to AI
Systems & Networking
Objects & Design
Combinatorics