Andy Zhang

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EDUCATION

Cornell University
B.S., Computer Science
Specializations in Theory and Machine Learning
Minor, Electrical Engineering
GPA 3.93/4.0

2016 - 2019

EXPERIENCE

Computer Vision Developer
Cornell Unmanned Air Systems (CUAir)
CUAir is a project team working to design, build, and test an autonomous aircraft system for the Student Unmanned Air Systems (SUAS) Competition. Currently working on image processing and convoluted neural networks as part of the Computer Vision subteam.

2016 – present

Controls and Electrical Engineer
Cornell Hyperloop
Cornell Hyperloop is a project team working to design, build, and test a full-scale pod capable of traveling at 200mph on a bed of compressed air. The pod is submitted to the annual Hyperloop Pod Competition hosted by SpaceX. Currently part of the Controls and Electrical subteams.

2016 – present

Morphometrics Research Intern
University of California, Santa Cruz
Researched the trends in the morphology of nautiloids and ammonites using Fourier analysis and Principal Components Analysis. Conducted under the supervision of Prof. Matthew Clapham and mentor Dan Killam.

2015 - 2016

PROJECTS

Cell_ID
Computer vision project using OpenCV and Python to process images of white blood cells and classify them as one of five classes.

Spring 2017

MagaFoods
Android application using the Yelp and Google Maps APIs to present a visual restaurant search function. Primarily used Java for the application, and JSON for API calls.

Spring 2015

IceBox
Functional prototype of a thermoelectric cooler that can charge cell phones using temperature differentials, per the Peltier effect.

Spring 2014

SKILLS

Programming Languages
   Java, Python, C++, R/RStudio, HTML/CSS

Software Tools
   Git, OpenCV