

Andy Zhang

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EDUCATION

Cornell University

2016 – 2019

B.S., Computer Science

Specializations in Theory and Machine Learning
Minor, Electrical Engineering
GPA 3.93/4.0

EXPERIENCE

Computer Vision Developer

2016 – Present

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.

Controls and Electrical Engineer

2016 – Present

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.

Morphometrics Research Intern

Summer 2015

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.

PROJECTS

MagaFoods

Spring 2015

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.

IceBox

Spring 2014

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

SKILLS

Programming Languages

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

Software Tools

Git, OpenCV