

EDUCATION:

B.S. Computer Science @ Cornell University
College of Engineering, Ithaca, NY (Music Minor)

August 14' - May 18

COURSES:

Advanced Topics in Machine Learning • Machine Learning for Intelligent Systems • Machine Learning for Data Science • Computer Vision • Analysis of Algorithms • Data Structures • Object Oriented Programming • Functional Programming • Discrete Mathematics • Digital Logic • Linear Algebra • Data-Driven Web Applications • Mechanics • Electromagnetism • Calculus • Special Investigations in Construction

TECHNICAL SKILLS:

Python • PyTorch • Java • C • OCaml • Grasshopper • Rhino • p5 • HTML/CSS/JS/D3 • Arduino • Ruby on Rails • C# • Unity • AWS • Bash

EMPLOYMENT:

• Machine Learning Intern | Autodesk

Implemented a variational autoencoder to encode Generative Design shapes as vector representations to calculate similarity and cluster 3D generated models. Utilized traditional computer vision techniques for shape vector representation. Researched a 3D model recommendation system.

June 17' - August 17'

• Research Associate | Jenny Sabin Design Lab

Work on a software project called RoboSense that enables architects to easily design and use intelligent Arduino controlled end effectors for 6 axis robots in Grasshopper for Rhino. Co-author on two papers last year. One was accepted and presented at SimAUD 2017.

June 16' - Present

• Software Developer | Comake

Assisted in the design of the interface and database structure for the metrics page of this relational file organization start-up company.

June 16' - August 16'

• Software Consultant | Faculte Software

Created an iOS application that allows users to upload media content from their iOS device to the online platform. Faculte is a platform for creating and sharing educational videos.

June 13' - August 13'

• Software Developer | UCSF QUIP-C

Upgraded an iOS app that allows users to quantitatively describe back pain symptoms. The tool was then uploaded to a website for physicians to use in their pain assessment when interviewing patients.

June 12' - August 12'

ORGANIZATIONS:

• Survival Skills Instructor | Cornell Outdoor Education

Lead students backpacking and wilderness survival trips in the Finger Lakes Region. Teach students risk management, leadership, group dynamics and how to have fun outdoors!

January 17' - Present

• Alto II | Cornell Jazz Ensemble

Perform in two big band jazz shows a year.

August 16' - Present

• Algorithmic Artist | Cornell Creative Computing Club

Creating art using p5 to display in algorithmic art show at the end of the semester.

September 17' - Present

• National Outdoor Leadership School

Completed a month long backpacking trip in the Talkeetna Mountains of Alaska. Learned leadership skills and interpersonal skills.

Jun 15' - Jul 15'

OTHER THINGS:

Generative Art • Backpacking • Member of Delta Chi Fraternity • Playing Stump •

