

EDUCATION

NORTHEASTERN UNIVERSITY | CANDIDATE FOR COMBINED BS/MS IN COMPUTER ENGINEERING

GPA: 3.95 | **Graduation Date:** May 2019

Honors: University Scholar (Top 1% - Full Scholarship) | National Merit Scholar | Forbes Under 30 Scholar

Activities: Honors Ambassador | Husky Ambassador | First Year Mentor - College of Engineering
Career Fellow | NU Symphony Orchestra | Eta Kappa Nu | Tau Beta Pi

EXPERIENCE

TWO SIGMA | SOFTWARE ENGINEERING INTERN

Jun '18 - Aug '18

- Quantitative Application Engineering, working on portfolio simulation and optimization

ROBINHOOD | SOFTWARE ENGINEERING INTERN

Jan '18 - May '18

Golang, Python, Django, PostgreSQL, Redis, FIX

- Persisted in-memory order queuer with PostgreSQL for increased reliability and horizontal scalability
- Built cryptocurrency marketdata service and implemented checkpointing for options marketdata
- Build models, APIs, wallet generation, and withdrawal generation for cryptocurrency custody solution

DROPBOX | SOFTWARE ENGINEERING INTERN

Jun '17 - Sep '17

Python, Typescript, React, mypy, Bazel

- Built folder level settings for Viewer Info feature in Python, revising sharing logic and permissions
- Used Typescript/React to redesign sharing modal to handle new settings

SNAPCHAT | SOFTWARE ENGINEERING INTERN

Mar '17 - Jun '17

Python, Typescript, Appengine, Flask, React, Redux

- Led the design and implementation of a content management system for Snap's support sites
- Hosted application on AppEngine built with Flask and React/Redux

GOOGLE | SOFTWARE ENGINEERING INTERN

Jan '17 - Mar '17

C++, gTest, gRPC, Protobuf

- Used C++, gRPC, and Protobufs, to add packet captures and traceroutes to network tool
- Augmented packet capture/traceroute functionality with custom capture logic and metadata

APPLE | SOFTWARE ENGINEERING CO-OP

Jan '16 - Aug '16

C++, Scala, Matlab, OpenCV, gTest, CMake, Akka-Http

- Led project to design new computer vision algorithms to assess Apple Maps quality
- Used Matlab and C++/OpenCV to build a computer vision toolkit hosted by Scala/Akka-http web service

TEXTRON SYSTEMS | SYSTEMS ENGINEERING INTERN

Jun '15 - Aug '15

Matlab, Caffe

- Used MATLAB to implement a Feed Forward and Convolutional Neural Network from scratch
- Classified images from data set of 18,000+ images into 20 classes with 98% accuracy for target detection

PROJECTS

NORTHEASTERN SCHEDULER

Python, Flask, PostgreSQL, Swagger

Scraped class schedules to provide API for filtering and ranking course information

RUBIK'S CUBE ROBOT

Python, C, Arduino, OpenCV, Solidworks

Developed 4-arm control system with custom 3D printed hardware to solve Rubik's cube in ~30 seconds

SKILLS

LANGUAGES:

- Python, Golang, C++, Typescript, MATLAB
- Familiar with Java, C, HTML, CSS

TECHNOLOGIES:

- Web: Flask, Django, React, Redux
- Databases: PostgreSQL, Redis, Google Datastore
- Other: OpenCV, gRPC, GCP, Bazel, Git, FIX