

Education

Cornell University, College of Engineering
Cumulative GPA: 3.53

Bachelors of Computer Science, Expected 2020
Business Minor, Presidential Research Scholar

Experience

Program Manager Intern at Microsoft 2019

- Worked on improving duration of tests run on Windows devices
- Engaged with customers and drove improvements on both the customer and platform side

Software Engineering Intern at Capital One 2018

- Created internal Android app from scratch to help Associates create NDAs
- Developed natively in Kotlin and integrated several APIs including the DocuSign API
- Implemented UI using XML that followed Material Design guidelines

Team Lead on Autonomous Bicycle Team 2017-2018

- Manages a team of 20 undergraduates to build a self-steering, self-balancing bicycle
- Act as a liason between Cornell College of Engineering and the team
- Developing obstacle detection computer vision capabilities using OpenCV and ROS

Cornell University Teaching Assistant 2017-2019

- Served as a TA for CS 2112 (Honors Object-Oriented Design & Data Structures)
- Led weekly discussions, designed student projects, and held weekly office hours

Research

Cornell Graphics and Vision Group Research Assistant 2018-2019

- Studying the improvement of realistic rendering in an augmented reality environment

Cornell Learning Analytics Research Assistant 2016-2018

- Used R for exploratory analysis on available student data
- Identified key differences between taking co-requisite courses as pre-requisites

Projects

City of Light 2018

- Created a desktop game in Java with LibGDX and Box2D in a team of six people
- Accepted to Boston Festival of Indie Games (BostonFIG)

Black Hole Simulator 2018

- Created a black hole simulator using WebGL and GLSL
- Allowed for realistic rendering and user interaction

Skills

Java • Unit Testing • Git • Kotlin • OCaml • R • HTML/CSS • JavaScript • C • WebGL • Python • L^AT_EX

Applicable Courses

Computer Graphics • Computer Game Design • Analysis of Algorithms • Object-Oriented Design & Data Structures Honors • Functional Programming • Operating Systems • Networks • Discrete Structures

Activities

- Corporate Officer for Cornell Association of Computer Science Undergraduates (ACSU)
- Graphic Designer for Cornell Daily Sun
- Alpha Phi Omega Service Fraternity Administrative Service Assistant