
EDUCATION

2016 - 2020 **CORNELL UNIVERSITY**, College of Engineering Ithaca, NY

- B.S in Computer Science, GPA 3.2
- *Previous Coursework*: Honors Data Structures (CS 2112), Unix Tools and Scripting (CS 2043), Digital Logic and Computer Organization (ECE 2300), Discrete Structures (CS 2800)

Summer 2014 **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, Verizon App Challenge Boston, MA

- Implemented environmentally sustainable application. Instructor: Josh Sheldon.
- Created iOS Version using Swift, Android version using MIT's AppInventor.

2014 – 2016 **TEXAS ACADEMY OF MATH & SCIENCE**, University of North Texas Denton, TX

- Selective state-wide program for high school students to attend college, GPA 4.0
- Recipient of the 2014 TAMS Annual Research Scholarship

SKILLS Java, JavaScript, Python, Git, SQL, Android, iOS

EXPERIENCE

Summer 2017 **INTUIT** Plano, TX

Software Engineering Intern

- Refactored UI widgets for Intuit ProConnect using React and Redux/GraphQL, resulting in increased code organization and state management.
- Expanded QuickBooks Online features to include an Amazon Alexa skillset among other web-based functions (qbo.intuit.com)

Summer 2016 **FUNCTION OF BEAUTY (YC W16)** Stamford, CT

Software Engineering Intern

- Created Platform for iPad kiosk using A/B testing and Apache Cordova, used at YC W16 Demo Day.
- Implemented a PHP/MySQL server for account management and referral handling, wrote front-end code for upcoming seasonal promotions.

Summer 2014 **BROSTOW LABORATORY** Denton, TX

Research Intern

- Participated in computational materials science research under Dr. Witold Brostow at the University of North Texas.
- Published two papers focusing on computational simulation of polymer indentation and wear.
- Presented work at the 2015 World Forum on Advanced Materials.

PROJECT EXPERIENCE

2016 - Present **CUAIR – AERIAL ROBOTICS PROJECT TEAM** Ithaca, NY

Distributed Systems Developer

- Building ground station web app in Java using the Play framework and PostgreSQL
- The web app communicates with our autonomous aircraft and front-end client to collect and associate telemetry data, images, target sightings, camera settings, and other data.
- Won 2nd place out of 30 teams in the international AUVSI SUAS reconnaissance competition in 2016.

Fall 2016 **ENCORE.AI – HACKMIT'S BEST MACHINE LEARNING HACK** Boston, MA

- Music hack that uses an LSTM neural network to generate lyrics from your favorite artist.
- Wrote NodeJS and React code to parse data from the neural network and display on the front-end.

Fall 2016 **MEDIBOT – PENNAPPS BEST EMBEDDED SYSTEMS HACK** Philadelphia, PA

- Built autonomous hospital delivery bot that is controlled through Amazon Echo.
- Assembled and wrote Arduino code to handle HTTP requests sent from the Echo.

ACTIVITIES/INTERESTS Cornell Bhangra, Eagle Scout, Basketball