SAMEER KHOJA
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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 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.
- Worked directly with the CEO to maximize conversion rates and minimize the duration of placing an order.

Summer 2015   **THE ARGAN TREE**   Rabat, Morocco
Business Analyst Intern
- Created a cost-benefit analysis report for expansion to other areas of Morocco and presented findings to the company leadership.
- Developed responsive mobile website and cross-platform application.

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 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