Sameer Khoja

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**EDUCATION**2016 - 2020 **CORNELL UNIVERSITY,** College of EngineeringIthaca, NY

* B.S in Computer Science, GPA 3.9
* *Current Coursework*: Honors Data Structures (CS 2112), Computer System Organization (CS 3410), Discrete Structures (CS 2800)

Summer 2014 **MASSACHUSETTS INSTITUTE OF TECHNOLOGY,** Verizon App ChallengeBoston, 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 TexasDenton, TX

* Selective state-wide program for high school students to attend college, GPA 4.0
* Published two papers on computational materials science as a recipient of Research Scholarship. Mentor: Dr. Witold Brostow.

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

**EXPERIENCE**

Summer 2015 **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 2014 **THE ARGAN TREE** Rabat, Morocco

*Software Engineering Intern*

* Conducted a cost-benefit analysis report for expansion to other areas of Morocco using statistical analysis of consumer data.
* Developed responsive mobile website and cross-platform application.

**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 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 parse and handle requests sent through the Echo.

**ACTIVITIES/INTERESTS**  Cornell Bhangra, Cornell Undergraduate Research Board, Eagle Scout