Sameer Khoja

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Education

Cornell University - B.S. Computer Science | August 2016 - May 2020
Major GPA: 3.48/4.00 | Dean's List Fall 2017
- Relevant Coursework: Analysis of Algorithms, OO Design & Data Structures Honors, Discrete Structures, Unix Tools and Scripting, Digital Logic & Computer Organization

Texas Academy of Mathematics and Science | August 2014 - May 2016
- Selective statewide program for high schoolers to attend college at the University of North Texas
- Awards and Honors: President's List, Valedictorian Speaker, 2014 TAMS Research Scholarship

Experience

Intuit / Software Engineering Intern
June 2017 - August 2017, Plano, TX - intuit.com
- Developed new IoT integrations using Amazon Alexa for Intuit Quickbooks accountants, resulting in a new set of conversational UI methods that increased dialogue capability by 2x
- Led an initiative to modularize and refactor 10+ front-end UI widgets using modern web technologies such as React and Redux, increased front-end uptime by 40%

Cornell University Unmanned Air Systems / Distributed Systems Developer
August 2016 - Present, Cornell University - cuair.org
- Building a camera control interface for a camera on-board a unmanned aerial vehicle (UAV), using Node.js and Java to develop on camera server and ground station server respectively
- Implemented a robust communications network between an autonomous aircraft and a front-end client to collect and associate telemetry data, images, target sightings, camera settings, and other data
- Won 2nd place out of 59 teams in the 2017 international AUVSI SUAS competition

Function of Beauty (YC W16) / Software Engineering Intern
June 2016 - June 2016, Stamford, CT - functionofbeauty.com
- Created an iPad kiosk application using A/B testing and Apache Cordova, used at Y-Combinator Demo Day
- Implemented a PHP/MySQL server for account management and referral support

Skills

- **Programming:** JavaScript, Java, Python, Node.js, React/Redux, Git, SQL, iOS, Unix, HTML/CSS
- **Software:** Unity, LaTeX, Autodesk Maya, AWS, Sketch

Projects

Encore.ai
- Built Node.js server and React front-end for a music app to generate lyrics from your favorite artist
- Won Best Machine Learning Hack at HackMIT 2016

MediBot
- Developed Arduino code and Alexa skill-set for a hospital delivery bot capable of autonomous navigation
- Won Best Embedded Systems Hack at PennApps Hackathon 2016

Extracurriculars

Alpha Kappa Psi Business Fraternity
- Selected as 10 out of 100 candidates as Vice President of pledge class, current Professional Chair

Cornell Bhangra
- Serve on the Executive board (Treasurer), dancer for nationally ranked team