

SRUTI MODEKURTY

EXPERIENCE

| | | |
|---|---|----------------------------|
| Software Engineer | Two Bulls | Aug 2016 – Nov 2018 |
| <ul style="list-style-type: none">• Design and development of Android app to teach kids coding through flying drones in AR• Project Lead & sole Full Stack Engineer for IoT Android app using MQTT, Python, AWS, 3rd party APIs• Hardware-interfacing Go development; App and embedded Android development<ul style="list-style-type: none">◦ Digital Kiosk – live in multiple locations; Provided international client support for Fortune 50 company• Web app to visualize healthcare data using Angular, Python, AWS | | |
| Technical Lead | I'll Go First | May 2018 – Oct 2018 |
| <ul style="list-style-type: none">• Led team in building Android and React Native app prototypes (Google Firebase BE) for mental health nonprofit | | |
| Engineering Intern | Johns Hopkins School of Medicine | Jun – Jul 2016 |
| <ul style="list-style-type: none">• Wrote image analysis scripts (ImageJ) which were published; Designed Arduino-controlled lab experiment | | |
| Software Engineering Intern | Birchbox | May – Aug 2014 |
| <ul style="list-style-type: none">• Built and launched an interactive webpage for finding and sorting Birchbox video tutorial contentUsed Javascript, jQuery, Expression Engine; Interned through HackNY Fellowship program | | |
| Firmware Engineering Intern | Intel Corporation | Jun – Aug 2013 |
| <ul style="list-style-type: none">• Wrote tests for WiDi and Widevine (C++) firmware. Chipset Group FW, Manageability Engine | | |
| Student Researcher | Intel Corporation | 2010 – 2011 |
| <ul style="list-style-type: none">• Power Management project to Optimize Battery Life of Mobile Devices with Idle applications | | |
| Programmer, PM, Mentor | FIRST & VEX Robotics | 2006 - 2012 |
| <ul style="list-style-type: none">• Competed in 5 World Competitions; won various awards at international & national levels | | |

PROJECTS

- **Civic Tech Timeline** – (JavaScript, Wordpress) Interactive chart visualization to map history of civic technology
- **TalkTransit** – (Twitter API, Python) Parse tweets about public transit and use machine learning to understand train status, usage, and detect and eventually predict service changes in real-time
- **HackNY Social Good Initiative** – (Co-founded in 2017) Partner student interns in competitive summer fellowship program with local organizations for tech for good projects

EDUCATION

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| Pittsburgh, PA | Carnegie Mellon University | Class of 2016/2018 |
| <ul style="list-style-type: none">• B.S. in Electrical & Computer Engineering | | |
| Relevant coursework | | |
| <ul style="list-style-type: none">• Embedded Systems Engineering• Intro to Machine Learning | <ul style="list-style-type: none">• Computer Security and Cryptography• Innovating for Underserved Communities | |

ADDITIONAL EXPERIENCE AND AWARDS

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| • Boy Scouts of America Discovery Award | 2018 |
| • Square College Code Camp Attendee 300+ applied, 21 accepted | 2014 |
| • National Center for Women & Information Technology (NCWIT) Aspirations National Award Runner-up | 2012 |
| • Resident Assistant at CMU | 2015 - 2016 |
| • President/Co-Founder CMU's first all-female South Asian Acappella group | 2014 - 2016 |
| • Program Leader/Coach for Robotics Camp for middle school girls – awarded \$5000 & \$3000 Grants | 2013 - 2014 |
| • Founder/Coach of Russell Ranch Elementary School Robotics Club | 2010 - 2012 |

LANGUAGES AND TECHNOLOGIES

Python, AWS, GCP, JavaScript, Android, Kotlin, Go, C, React Native, Arduino, ImageJ