

# KATIE LI

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## EXPERIENCE

### Executive Co-Director

#### BigRed//Hacks

📅 November 2018 – Present

📍 Ithaca, NY

- Leading a team of 40 students to organize Cornell's largest hackathon
- Previous: Marketing/Logistics Coordinator (Nov 2017-Nov 2018)

### Autopilot Software Developer, Pilot In Training

#### Cornell University Unmanned Air Systems (CUAIR)

📅 September 2017 – Present

📍 Ithaca, NY

- 1st place fixed-wing autonomous aerial system at the 2018 AUVSI SUAS International Competition; 4th in mission and overall
- Implemented plane ground coverage using Python, JavaScript, React, and Leaflet; improved custom ground control station functionality
- Current Projects: autonomous rolling takeoff and landing, vertical takeoff and landing, LiDAR research, batch waypoint editor

### Co-President, Vision Programmer

#### FIRST Robotics, FRC 5417 and FTC 11793

📅 August 2015 – June 2017

📍 Allen, TX

- Managed 70+ students on business, fabrication and software teams
- Implemented robot vision functionality using Java and OpenCV

## PROJECTS

### BigRedNotes

#### BigRed//Hacks Fall 2017

📅 September 2017

📍 Ithaca, NY

- A web application that utilizes Python, Keras, PHP, Microsoft API, Twilio API, YouTube API, and the NLTK to parse images of academic notes and text users relevant Youtube links
- Awards: Top 10 Project, Most Innovative Project, Best Technical Feat

## FOUNDING INITIATIVES

### Co-Founder, Director of Operations, Executive Global Board

#### SecondGen LLC

📅 March 2015 - August 2016

📍 Dallas, TX

- Founded entrepreneurial organization with 3 teen entrepreneurs
- As of the end of 2016, SecondGen had over 1000 members in North America, Europe, Africa, Australia, and Asia who are interested in business, film, art, journalism, and technology

### Co-Founder, Hackathon Organizer

#### IncubateDFW and EagleHacks

📅 December 2015 - August 2016

📍 Dallas, TX

- One of 4 main organizers for IncubateDFW; IncubateDFW was part of IncubateX, an teen-entrepreneurship hackathon organization that held events in 17 cities worldwide during the summer of 2016
- Managed logistics and marketing for Dallas-Fort Worth's first MLH-sponsored high school hackathon; 300 attendees

## HONORS



### Sequoia Capital - Cornell Ambassador

One of 17 nationwide ambassadors; sourcing campus startups for Seed Round/Series A funding; promoting entrepreneurship on campus and to summer interns in the Bay Area



### Joan and Irwin Jacobs Scholar

Grant that recognizes <1.5% of Cornell Engineering students who exemplify potential in academics and leadership



### Rewriting the Code - Fellow

National program for undergraduate women pursuing tech careers



### Alpha Omega Epsilon Engineering Sorority - Professional Chair

Founding charter member



### Allen High School Senior Class Officer

Graduation speaker in front of 11,000; 1 of 3 students invited to speak at 2017 Texas Assoc. of Student Councils State Conference in front of 5,000

## SKILLS

- Languages/Frameworks/Libraries: Python, JavaScript, HTML/CSS, SQL, R, Java, Verilog, Assembly, React, Bootstrap
- Other: LaTeX, Git, Windows, UNIX

## LANGUAGES

English

Chinese

Spanish



## EDUCATION

### B.S. Operations Research (ORIE)

#### Cornell University, C/o Engineering

📅 Aug 2017 – May 2021

- Minor: Computer Science (CS)
- Relevant Coursework: Practical Tools for ORIE/ML/Data Science, Embedded Systems, UNIX Scripting, Networks I, Networks II: Market Design, Data Structures and Object-Oriented Programming, Discrete Structures, Digital Logic and Computer Organization, Computing in Python

### Distinguished Diploma

#### Allen High School

📅 Aug 2014 – June 2017

- Class Top 2%; Class Size: 1579