

# KATIE LI

🌐 [ykatieli.github.io/site](https://ykatieli.github.io/site)

@ [y12249@cornell.edu](mailto:y12249@cornell.edu)

☎ 817-881-7532

📍 Dallas, TX

🔗 [ykatieli](#)

in [ykatieli](#)

## EXPERIENCE

### Autopilot Engineer, 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

### Executive Co-Director

#### BigRed//Hacks

📅 November 2018 – Present

📍 Ithaca, NY

- Leading a team of 30 students to organize Cornell's largest hackathon
- Previous: Marketing/Logistics Coordinator (Nov 2017-Nov 2018)

### 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 international youth 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

## HIGHLIGHTS



### Sequoia Capital - Cornell Ambassador

One of 17 nationwide ambassadors



### Rewriting the Code - Fellow

National program for undergraduate women pursuing tech careers



### Alpha Omega Epsilon Engineering Sorority - Professional Chair

Founding charter member



### Joan and Irwin Jacobs Scholar

College of Engineering grant that recognizes students who exemplify potential in academics and leadership



### Allen High School Senior Class Officer

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



### FRC Dean's List Semifinalist

One of 20 students chosen from 1000+ students among 43 robotics teams at the 2016 FIRST Robotics Dallas Regional Competition

## SKILLS

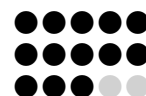
- Languages/Frameworks/Libraries: Python, Java, JavaScript, Verilog, HTML/CSS, R, React.js, Bootstrap
- Other: LaTeX, Git, Windows, UNIX

## LANGUAGES

English

Chinese

Spanish



## EDUCATION

### B.S. Operations Research

#### Cornell University, C/o Engineering

📅 Aug 2017 – May 2021

- Minors: Computer Science, Electrical & Computer Engineering
- Coursework: Financial and Managerial Accounting, 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

- GPA: 4.46; Class Top 2%; Class Size: 1579