

Katie Li

<https://ykatieli.com> | yl2249@cornell.edu | 817-881-7532

EDUCATION

Cornell University, College of Engineering

Ithaca, NY

B.S. in Operations Research & Information Engineering (ORIE) | Minor in Computer Science (CS)

Aug 2017 - May 2021 (Expected)

- **Relevant Coursework:** ORIE 3300: Optimization I, ORIE 3500: Statistics & Probability II, ORIE 3150: Financial & Managerial Accounting, ORIE 3120: Practical Tools for Data Science & Machine Learning, CS 4852/INFO 4220: Networks II: Market Design, CS 3420/ECE 3140: Embedded Systems, ECE 2300: Digital Logic & Computer Organization, CS 2850: Networks, CS 2800: Discrete Structures, CS 2110: Data Structures & Object-Oriented Programming, CS 2043: UNIX Tools & Scripting, CS 1110: Computing in Python
- **Joan & Irwin Jacobs Scholar:** Cornell Engineering grant that recognizes 30 students who exemplify potential in leadership & academics

Allen High School

Allen, TX

Distinguished Diploma

Aug 2015 - June 2017

- **Honors:** Class Top 2% (Class Size: 1579), Graduation Speaker, Senior Class Officer, Principal's Presidents Council, National Honor Society

RELEVANT EXPERIENCE

Carbon-12 Labs

New York, NY

Product and Business Development Intern, Capital Markets Team

May 2019 - August 2019

- Spearheaded the fundraising decks sent to venture firms and investors for the **\$5mil SAFE** and upcoming Series A rounds
- Established **project management system** (Trello, Jira, Airtable) adopted by the business development & software teams
- Increased the cryptocurrency market making revenue by **250%** within two months through on-ramp product integration
- Developed internal tools using Javascript and React & a set of LaTeX documents; wireframed the Capital Markets website

Sequoia Capital

Ithaca, NY & San Francisco, CA

Cornell Campus Ambassador

May 2018 - Present

- One of 17 nationwide ambassadors for the venture capital firm to **scout student-led startups** for Seed & Series A funding
- Organized an Introduction to Entrepreneurship speaker panel to co-host with Alpha Omega Epsilon & Life Changing Labs

BigRed//Hacks

Ithaca, NY

Executive Co-Director (Nov 2018 - Present), Marketing/Logistics Coordinator (Nov 2017 - Nov 2018)

Nov 2017 - Present

- Managed 40 organizers across 7 subteams to plan Cornell's **\$50,000** largest student-run hackathon with **500+** attendees
- Recruited to increase the team size by **300%**; worked with Design and WebDev for a complete website redesign

Cornell University Unmanned Air Systems (CUAir)

Ithaca, NY

Software Developer, Autopilot Subteam

Sept 2017 - Present

- **Awards:** 1st place fixed-wing autonomous aerial system (UAV) among 40+ teams at the 2018 International AUVSI SUAS Competition
- **Current Projects:** unmanned ground vehicle (UGV), vertical takeoff & landing, batch waypoint editor
- **Autonomous Rolling Takeoff & Landing:** Reconfigured/tuned the autopilot to switch from launch-by-catapult to launch-by-rolling
- **Ground Coverage:** Implemented visualization on the custom ground control station using Python, Javascript, React.js, and Leaflet
- **Bug Fixes:** Streamlined custom ground control station functionality to be compatible with ArduPilot/MAVProxy updates

SecondGen LLC

Dallas, TX

Co-Founder, Director of Operations, Executive Global Board

Mar 2015 - Aug 2016

- **What is SecondGen:** A teen entrepreneurship organization that fostered collaboration among students interested in technology, business, art, film, and journalism; by the end of 2016, it had 1000+ members in North America, Europe, Africa, Asia, and Australia
- **Hackathon Organizer:** Main organizer for **IncubateDFW** (part of IncubateX, which hosted teen entrepreneurship hackathons in 17 cities worldwide during Aug 2016) and **EagleHacks** (DFW's first MLH-sponsored high school hackathon with 300+ in attendance)
- **1 of 3** speakers invited to present at the **2017 Texas Association of Student Councils State Conference** about starting SecondGen

PROJECTS

- **BigRedNotes:** Top 10 Project, Most Innovative Project, Best Technical Feat | BigRed//Hacks Fall 2017
 - Web app that uses Python, Keras, PHP, Microsoft/Twilio/YouTube APIs, and NLTK to parse notes & text users relevant video links

SKILLS

- **Programming Languages:** Python, SQL, HTML/CSS, R, Javascript, AMPL, Java, C++, C, Assembly, Verilog, Visual Basic
- **Frameworks, Technologies, and Libraries:** Git, LaTeX, React.js, Leaflet, Bootstrap, Docker, GIS, Excel, Word, MacOS, Windows, Linux
- **Languages:** English (fluent), Chinese (fluent), Spanish (beginner)

ADDITIONAL EXPERIENCE & ACHIEVEMENTS

- Website Chair, former Professional Chair, and founding charter member of **Alpha Omega Epsilon**, Cornell's professional engineering sorority
- Fellow at **Rewriting the Code**, a national program for undergraduate women pursuing careers in technology
- 3rd place in the **2019 Deloitte Cornell Undergraduate Case Competition**