Katie Li

https://ykatieli.com | yl2249@cornell.edu | 817-881-7532 | linkedin.com/in/ykatieli/ | github.com/ykatieli

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 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
- **Grant**: Joan & Irwin Jacobs Scholar - recognizes <1.5% of Cornell Engineering 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

EXPERIENCE

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 networking event in San Francisco for Sequoia venture partners and Cornell students interested in startups

Life Changing Labs Ithaca, NY
Marketing Intern *Feb 2019 - Present*

- Designed marketing graphics and promoted summer incubator program through Facebook ads and email lists
- Organized an Introduction to Entrepreneurship speaker panel event to co-host with Alpha Omega Epsilon

BigRed//Hacks Ithaca, NY
Executive Co-Director *Nov 2018 - Present*

- Managed 40 organizers across 7 subteams to plan Cornell's largest student-run hackathon event with over 500 attendees
- Recruited new organizers to increase the team size by 300%; launched rebranding through new logos and website design

Cornell University Unmanned Air Systems (CUAir) Ithaca, NY
Autopilot Software Developer *Sept 2017 - Present*

- **Awards**: 1st place fixed-wing autonomous aerial system (UAV) among 40+ teams at the 2018 International AUVSI SUAS Competition
- **Current Projects**: Batch waypoint editor, vertical takeoff & landing, LiDAR research, autonomous ground vehicle (UGV)
- **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

FIRST Robotics, FRC Team 5417 and FTC Team 11793 Allen, TX
Co-President, Vision Programmer *Sept 2015 - June 2017*

- **Software**: Developed custom vision system using Java/OpenCV to detect reflective targets with an accuracy of 85%
- **Fundraising**: Spearheaded raising $20,000 in two weeks through pitching to potential company sponsors as one of 2 main presentation speakers; piloted social media fundraiser with Lenovo to successfully raise $1000 within five days
- **Awards**: 2017 FRC World Championship Entrepreneurship Award, Texas UIL State Championship Finalist, Dallas Regional Champion

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, Java, C++, C, Assembly, Verilog, Visual Basic
- **Frameworks, Technologies, and Libraries**: Git Bash, LaTeX, React.js, Leaflet, Bootstrap, Docker, GIS, Excel, Word, MacOS, Windows, Linux
- **Languages**: English (fluent), Chinese (fluent), Spanish (beginner)

ADDITIONAL EXPERIENCE & ACHIEVEMENTS

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