KATIE LI

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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 40 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 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, journlism, 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
- **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; 1 of 3 offered to speak at 2017 Texas Assoc. of Student Councils State Conference in front of 5,000
- **FIRST Robotics 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, HTML/CSS, R, Verilog, React.js, 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)
- 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

- Class Top 2%; Class Size: 1579