

# Jackson Speed Kopitz

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School Address:  
305 Oak Avenue  
Ithaca, NY 14850

## EDUCATION

**Cornell University**, College of Engineering, Ithaca, NY  
Bachelor of Science in Electrical & Computer Engineering; Minor in Computer Science  
GPA: 3.20

**Expected May 2020**

**Relevant Coursework:** Embedded Systems, Signals and Systems, Microelectronics, Intro to Circuits for Electrical Engineers, Digital Logic and Computer Organization, Object-Oriented Programming and Data Structures  
Fall 2019: Computer Architecture, Discrete Math, Intelligent Physical Systems

## RELEVANT EXPERIENCE

**Northrop Grumman Corporation**, Redondo Beach, CA, *College Technical Intern* **June – August 2018**

- Performed manual and automated calibrations and compared the benefits each for oscilloscopes, power supplies, digital multimeters, gaining hands-on hardware experience
- Calibrated several AC/DC standard references with metrology engineers
- Performed virus scans, sanitization and imaging on DC/LF and Radio Frequency measurement and test equipment
- Led a team of 4 interns and collaborated with engineers and managers to develop a poster and presentation explaining the work flow within the Engineering Asset Management Department at the Northrop Grumman Explore Aerospace Poster Competition

**CUSail – Cornell Autonomous Sailboat Team**, Ithaca, NY, *Business Team Lead* **August 2016 – Present**

- Develop an inexpensive, mass-producible, and fully autonomous robotic sailboat that can intelligently navigate
- Lead a team of 4 to manage a budget over \$18,000, gain corporate sponsors, and develop a website
- Collaborate with a team of 10 to design and manufacture all mechanical components of the boat

**Cornell Computing and Information Science**, Cornell University, Ithaca, NY, *Consultant* **August – December 2017**

- Held weekly office hours, helped students during recitation sections, and graded assignments and exams

**Elegant Mind Research Group**, UCLA, Westwood, CA, *Member* **June – August 2015**

- Spearheaded research to see if C. Elegans had a perception of time, location, and movement

## NON-TECHNICAL EXPERIENCE

**Engineering Peer Advising**, Cornell University, Ithaca, NY, *Peer Advisor* **August 2018 – Present**

- Work with a faculty advisor and co-peer advisor to create a lesson plan to aid a section of 14 new students in getting to know Cornell University and Cornell Engineering
- Co-lead a weekly section and present information and answer questions about student life, enrollment processes, and appropriate university offices for academic and personal needs

**The Cornell Store**, Cornell University, Ithaca, NY, *Student Supervisor* **November 2016 – Present**

- Oversee student employees, operate a cash register, manage store merchandise, and assist on the store floor

## MUSIC INVOLVEMENTS

**Big Red Bands**, Cornell University, Ithaca, NY, *Member* **August 2016 – Present**

- Play trombone in the largest student-run organization in the Ivy League at sporting and non-sporting events

**Pacific Crest Drum and Bugle Corps**, Diamond Bar, CA, *Hornline* **January 2016 – August 2017**

- Played Euphonium and rehearsed up to 12 hours per day to perfect an 11-minute long show
- Toured the country performing and competing at stadiums such as the Rose Bowl and Lucas Oil Stadium

**Mira Costa High School Bands**, Manhattan Beach, CA, *Section Leader* **August 2012 – June 2016**

- Participated in the GRAMMY® award winning Mira Costa High School Concert Ensembles and Marching Band

## SKILLS AND INTERESTS

**Technical Skills:** Python, C, Java, C++, RISC-V, ARM, Verilog, Bash, Soldering, Mold-Making, Composite-Making, CAD Solidworks, LaTeX, Microsoft Word, Excel, and PowerPoint

**Interests:** Skiing, Water Polo, Swimming, Sailing, Field Crumpets, Dogs