

TYLER SEIDEN SHERMAN

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Current

17 South Avenue
Ithaca, NY 14850

Permanent

9 Sleepy Hollow Road
Chappaqua, NY 10514

EDUCATION

Cornell University, College of Engineering, Ithaca, NY **Expected May 2020**
Master of Engineering, Electrical and Computer Engineering

Cornell University, College of Engineering, Ithaca, NY **Expected December 2019**
Bachelor of Science, Electrical and Computer Engineering **GPA: 3.891**
Dyson Business Minor for Engineers
Engineering Leadership Certificate Program
Honors: Dean's List (Spring 2017, Fall 2017)

Horace Greeley High School, Chappaqua, NY **June 2016**
Honors: Summa Cum Laude, National AP Scholar, National Merit Scholarship Finalist **GPA: 4.1**

Relevant Courses: Object-Oriented Programming & Data Structures • Oscillations, Waves & Quantum Physics
• Digital Logic & Computer Organization • Signals & Information • Circuits

RESEARCH & EMPLOYMENT HISTORY

Undergraduate Researcher, Space Systems Design Studio, Ithaca, NY **February 2018 – Present**

- Member of Professor Mason Peck's lab working on the Pathfinder for Autonomous Navigation (PAN) project
- NASA CSLI participant with a mission to assemble and launch two 3U+ CubeSats into LEO
- Satellites will demonstrate autonomous rendezvous and docking utilizing precision CDGPS navigation
- Power sub-team: tasked with PCB design, hardware integration testing, and a GUI to control full system testing

IgnitionOne, New York, NY, *Engineering Summer Intern | Analytics Department* **June – August 2017**

- Queried data to investigate digital marketing performance metrics and provided insights to optimize campaigns
- Created program using Python to transform advertising bid request data into an analyzable format
- Wrote, documented, and standardized queries and reporting material for QBRs

Marriott Student Learning Center, Cornell University, Ithaca, NY **August 2016 – Present**

Team Leader (August 2017 – Present)

- Trained 8 new hires in library responsibilities, MICROS POS functionality, and the Voyager library system
- Conduct quarterly employee evaluations, approve timecards in Workday system, and provide leadership

Student Academic Service Assistant (August 2016 – July 2017)

- Provide professional customer service, assist with technology support, catalog resources, and manage reservations

IBM, Yorktown Heights, NY, *Intern* **May – June 2016**

- Worked directly with Chitra Dorai, IBM Fellow and CTO Cognitive Services
- Conducted research involving IBM Watson's Personality Insights and student success in specific elective classes

CO-CURRICULAR ACTIVITIES

Orientation Steering Committee, Cornell University, *Orientation Leader* **May 2017 – May 2018**

- Assist new students to feel at home, at ease, and supported upon their arrival on campus

Pi Kappa Alpha: Beta Theta Chapter, Cornell University, *Member* **February 2017 – Present**

- Centennial planning committee, Fundraising Chair, and Public Relations Chair (redesigned website January 2018)

Habitat for Humanity, Cornell University, *Webmaster | Executive Board Member* **September 2016 – Present**

- Created, edit, and update the club website (www.habitatcornell.org) and publicize weekly builds and large events

SPECIALIZED SKILLS

Programming Java • SystemVerilog • MATLAB • Swift • SQL • HTML • CSS
Programs Altera Quartus II • Altium Designer (PCB design) • Adobe Illustrator • Microsoft Office