TYLER SEIDEN SHERMAN

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Current	Permanent
120 Catherine Street	9 Sleepy Hollow Road
Ithaca, NY 14850	Chappaqua, NY 10514

EDUCATION

Cornell University, College of Engineering, Ithaca, NY **Expected December 2019**
Bachelor of Science, Electrical and Computer Engineering GPA: 3.813
Computer Science Minor
Dyson Business Minor for Engineers
Engineering Leadership Certificate Program
Honors: Dean's List (Spring 2017, Fall 2017, Spring 2018)

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

Relevant Courses (*by summer 2019*): Database Systems • Digital Logic & Computer Organization • Embedded Systems • Intelligent Physical Systems • Microelectronics • Probability & Inference • Robotics • Signals & Information

RESEARCH & EMPLOYMENT HISTORY

Space Systems Design Studio (SSDS), Cornell University, *Researcher* **February 2018 – Present**
- Member of Pathfinder for Autonomous Navigation (PAN) team under Dr. Mason Peck (former CTO of NASA)
- Design PCBs to control reaction wheels and sun sensors in the ADCS; design PCB to control docking switch
- Utilize trade studies to select COTS parts; execute component-level test procedures in preparation for integration
- *Power Team Lead* (Summer 2018): Delegate tasks, maintain schedule, make design decisions, and handle inventory

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 Python program to parse advertising bid request data and transform it into an analyzable format
- Wrote, documented, and standardized queries and reporting material for QBRs

Marriott Student Learning Center, Cornell University **August 2016 – Present**
Team Leader (August 2017 – Present)
- Train new hires in library responsibilities, MICROS POS functionality, and the Voyager library system
- Conduct quarterly employee evaluations, approve timecards, and recommend new equipment and procedures
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

Engineering Leadership Program, Cornell University, *Assistant* **June 2018 – Present**
- Work with Professors to understand goals, adapt material to align with objectives, and present leadership material

Second Wind Cottages, Newfield, NY, *Volunteer* **April 2018 – Present**
- Research, fund, and implement environmentally conscious technologies in cottages for formerly homeless men

Pi Kappa Alpha: Beta Theta Chapter, Cornell University, *Member* **February 2017 – Present**
- Chair positions (Centennial, Fundraising, PR); audit and renegotiate yearly contracts exceeding $180,000

Habitat for Humanity, Cornell University, *Webmaster | Executive Board Member* **September 2016 – Present**
- Design and maintain club website (habitatcornell.org), create marketing and PR strategies, and plan weekly events

SPECIALIZED SKILLS

Fabrication	Circuit Testing • Component Selection • Hand and Reflow Soldering • Wiring
Programs	Altium Designer (PCB Layout) • Altera Quartus II • Microsoft Office • Adobe Illustrator
Programming	Java • SystemVerilog • MATLAB • Swift • SQL • HTML • CSS