

TYLER SEIDEN SHERMAN

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Current

120 Catherine Street
Ithaca, NY 14850

Permanent

9 Sleepy Hollow Road
Chappaqua, NY 10514

EDUCATION

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

Expected December 2019

GPA: 3.813

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:* Computer Graphics • Digital Logic & Computer Organization • Embedded Systems • Intelligent Physical Systems • Microelectronics • Operating Systems • Probability & Inference • Robotics • Signals

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, antennas for Comms, and a 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 • Test procedures • Wiring
Programs	Altium Designer (PCB Layout) • Altera Quartus II • Git • Microsoft Office • Adobe Illustrator
Programming	Java • MATLAB • Arduino • SystemVerilog • SQL • HTML • CSS • Swift