

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

Expected December 2019

Bachelor of Science, Electrical and Computer Engineering

GPA: 3.831

Computer Science Minor

Dyson Business Minor for Engineers

Engineering Leadership Certificate Program

Honors: Dean's List (Spring 2017, Fall 2017, Spring 2018), Eta Kappa Nu (HKN – ECE Honor Society)

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 Networks • Digital Logic & Computer Organization • Digital VLSI Design • Embedded Systems • Intelligent Physical Systems • Microelectronics • 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 • Python • ROS • SQL • HTML • CSS • Swift