

TYLER SEIDEN SHERMAN

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY **Expected May 2020**
Master of Engineering, Electrical & Computer Engineering
Honors: Lester B. Knight M.Eng./MBA Scholarship

Cornell University, College of Engineering, Ithaca, NY **Expected December 2019**
Bachelor of Science, Electrical & Computer Engineering **GPA: 3.830**
Computer Science Minor
Dyson Business Minor for Engineers
Engineering Leadership Certificate Program
Honors: Dean's List (five of six semesters), Eta Kappa Nu (IEEE-HKN), Tau Beta Pi

Relevant Courses *by summer 2020:* Computer Architecture • Computer Networks & Telecommunication • Model Based Systems Engineering • Modern Cellular Communications: LTE to 5G • Operating Systems • Radar Remote Sensing

RESEARCH & EMPLOYMENT HISTORY

Lockheed Martin, Owego, NY, *Electrical & Computer Hardware Engineering Intern* **June – August 2019**

- Performed bring-up, integration, and testing of circuit card assemblies for B-2 Avionics and Graphics Processor
- Automated video requirement verification, troubleshoot components, and modified circuitry to meet specifications
- Documented DVT procedures, interfaced with product test engineers, and presented to program management
- Deputy program manager of intern lifecycle project: developed autonomous exploration and recovery robot

Space Systems Design Studio (SSDS), Cornell University, *Researcher* **February 2018 – Present**

- Member of the Pathfinder for Autonomous Navigation mission under Dr. Mason Peck (former CTO of NASA)
- Design PCBs to control ADCS, Communications System, and Docking Switch; construct custom harnessing
- Execute system-level test procedures and integration in preparation for March 2020 launch by Virgin Orbit
- *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 a Python program to parse advertising bid request data and transform it into an analyzable format
- Wrote, documented, and standardized SQL queries and reporting material for quarterly business reviews

Marriott Student Learning Center, Cornell University **August 2016 – Present**
Team Leader (August 2017 – Present)

- Train new hires, conduct quarterly employee evaluations, approve timecards, and recommend new procedures

Student Academic Service Assistant (August 2016 – July 2017)

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

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 annual 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

Programs	Altera Quartus II • Altium Designer • Arduino • Arm Mbed Studio • Git • Microsoft Office
Programming	C • HTML & CSS • Java • MATLAB • Python • SQL • SystemVerilog • Swift