TYLER SEIDEN SHERMAN

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<u>Current</u> 301 College Avenue, APT 2C 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

Honors: Lester B. Knight M.Eng./MBA Scholarship

Cornell University, College of Engineering, Ithaca, NY

Expected December 2019

Bachelor of Science, Electrical and Computer Engineering

GPA: 3.830

Computer Science Minor + Dyson Business Minor for Engineers

Engineering Leadership Certificate Program

Honors: Dean's List (Spring '17, Fall '17, Spring '18, Fall '18, Spring '19), Eta Kappa Nu (HKN), Tau Beta Pi

Horace Greeley High School, Chappaqua, NY

June 2016

Honors: Summa Cum Laude, National AP Scholar, National Merit Scholarship Finalist

GPA: 4.1

RESEARCH & EMPLOYMENT HISTORY

Lockheed Martin, Owego, NY, Electrical and Computer Hardware Engineering Intern

June – August 2019

• Current secret security clearance

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 the ADCS, Communications System, and Docking Switch; construct custom harnessing
- Execute system-level test procedures and integration in preparation for August 2019 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 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, 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

IBM, Yorktown Heights, NY, Intern

May – June 2016

• Conducted research with Chitra Dorai, IBM Fellow, involving IBM Watson's Personality Insights API

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 Altium Designer • Mbed Studio • Git • Altera Quartus II • Microsoft Office

Programming Java • MATLAB • C • Arduino • SystemVerilog • Python • ROS • SQL • HTML • CSS • Swift