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EDUCATION:
Cornell University College of Engineering, Ithaca, NY   *Class of 2022*
Electrical and Computer Engineering (major), Computer Science (major)

SKILLS & RELEVANT COURSEWORK:
- Python 3, Java, Data Analytics (including Python libraries Pandas, Numpy, Seaborn), Tableau, Data Organization, Database Management, Project Management, Team Management, Microsoft Office (Word, PowerPoint, Excel), HTML & CSS, Quartus II, Verilog, Laboratory Research and Development, Basic Computer-Assisted Design
- CS 2110: Object-Oriented Programming & Data Structures, CS 2800: Discrete Structures, ECE 2300: Digital Logic & Computer Organization, ENGRI 1210: Computing Technology in Smartphones, ECE 2100: Introduction to Circuits for Electrical and Computer Engineers, MATH 2940: Linear Algebra

RECENT EXPERIENCE:

CACI International Inc   *June 2019 – Current*
Innovation Research and Development Intern
- Worked as the Project Lead for the intern project examining Software-Defined Networking solutions and Zero Touch Provisioning processes for security concerns using commercial hardware, drafting theoretical solutions for evaluated hardware security problems and collaborated with the intern team to prototype, test, and develop preliminary solutions.
- Evaluated a database of over twenty thousand entries for insights into Federal Aviation Administration (FAA) network infrastructure, analyzing trends and data points for data integrity and accuracy using Single Pane of Glass software and Python (Numpy, Pandas) programming.
- Programmed commercial hardware using C++ and Arduino IDE in order to prototype radio-based information transmission solutions, and field-tested prototypes at offsite locations.
- Presented summer projects to executives at the sector's end of internship presentations.
- Currently working with open source MQTT data broker software.

Montgomery College   *June 2019 – August 2019*
Data Analytics Bootcamp
- Completed data analysis projects using Python (including libraries Pandas, Numpy, and Seaborn) and became proficient at using the data visualization software Tableau.
- Received the certificate of completion for the 60-hour course.

Durland Alternatives Library   *January 2019 – May 2019*
Library Assistant
- Flagged individual program participant database records that require managerial review, and independently maintained library databases and content.
- Processed incoming letters, registering new patrons to the Prisoner Express service, and updated Airtable database records to specifications detailed in letters.

COLLEGIATE ACTIVITIES:

Society of Women Engineers   *September 2018 – May 2019*
- Planned, organized, and executed an event for 30 high school attendees as part of the High School Outreach Committee, and was responsible for coordinating with industry speakers from GrammaTech and Corning Incorporated.

U.S. and International Patent Applications
- International patent application, app. no. PCT/US18/55781 titled "Method "and apparatus for harvesting electrical energy from air flow in a moving system," co-inventor, October 2018.
- U.S. patent application, app. no. 62/579,146 titled "Protective case for mobile device," co-inventor, October 31, 2017.