

Steven Williams

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Objective

Obtain a summer 2019 internship in robotics and embedded systems development or computer hardware development.

Education

Iowa State University, Ames, IA - B.S. – Electrical Engineering.....Graduating December 2019
Minor in German; Major Specific GPA: 3.43

Technical Experience

Java, C, Matlab, C++, HTML, JS, CSS, PHP, Verilog, Python
Circuit Simulation, 3D Modeling & Printing
Electronics Testing and Troubleshooting
Sensor inputs (thermistors, motor encoders, IR, load cell, etc)
Soldering & other Benchwork (oscilloscope, multimeter, etc)
Arduino, Robotics, and Raspberry Pi Development
Network and Website Development
Fluent German

Collegiate Leadership Experience

Iowa State German Club - President (17-18) - Club of 100+ members
Iowa State German Club - Treasurer (16-17) - ~\$500 budget
Iowa State Space Society – Treasurer (17-18) - Manage purchases, outreach events, and general meetings
FIRST Robotics Team 2077 - Mentor - Team of 30-40 Members
Taekwondo - Black Belt – Lead classes of 5-20 people (age 4-60)

Working Experience

Rockwell Collins – Platform Systems Engineer..... June 2018-Present

- Test and develop systems for the KC-135
- Design and execute tests under USAF regulations
- Ensure operation of subsystems and identify problem areas

Central Iowa Air Service – Line Service Specialist..... May 2017-May 2018

- Interact with customers and provide various services to facilitate their needs
- Maintain a safe and secure working environment including security monitoring, grounds keeping, and fuel management
- Work as a team to tow, fuel, detail, and maintain various aircraft and the airfield as a whole

ISU College of Engineering – Tour Guide..... May 2017-August 2017

- Inform large groups on the workings of engineering department
- Answer detailed questions about specific engineering focuses
- Work with a team to provide optimal experiences for prospective students

Personal Projects

Optical Transistor R&D
R&D into how THz photons interact with matter
Automated Financial Tracker
Budget helper applications
Mini Solid State Tesla Coil
Understanding high voltage systems
VHF AM Radio Receiver
Learning project to listen to local aircraft
File Server & Website
Website for my digital files and media
Roll and Go
Startup - learning about business, etc
Robot
Robot to strengthen programming & sensors skills

More project info on my website