

George Main IV

Rose-Hulman Institute of Technology CM 1791
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Objective

Seeking a summer internship position in the field of Computer or Software Engineering

Education

Rose-Hulman Institute of Technology, Terre Haute, IN 3.88 / 4.0 GPA May 2020
– Bachelor of Science Computer Engineering and Software Engineering

Projects

W1GIV Auctions June 2014 - Present
Creator/Developer

- Web based auction management system in PHP with MySQL Database
- Allows for registration of attendees, entering of sold items, checkout
- Features commissions, emailing of receipts, contacting attendees
- Currently used by two organizations to manage yearly auctions

Rose Grand Prix Engineering (Formula SAE) August 2016 - Present
Electrical Team Member

- Created Data Acquisition System to parse Controller Area Network (CAN Bus) messages with Python and C++ and insert them into an Influx database for viewing with Grafana
- Currently writing firmware for PIC microcontrollers in C and learning PCB design with Altium

Experience

Norwich Free Academy, Norwich, CT January 2013 - August 2016
Student Worker, Information Technology

- Diagnosed, repaired, and upgraded computers, printers, and interactive whiteboards
- Developed front end PHP system for MySQL database of campus computers
- Interned during study halls, employed full time during summers

Heritage Information Radio AM 1700, Norwich, CT September 2014 - June 2017
Volunteer Technical Assistant

- Developed and maintained the <http://am1700.org> website
- Aided in launch of 24/7 Liquidsoap online streaming system
- Provided general technical support for the station

Skills

Programming - Java, C, PHP, Python, HTML, MySQL
Technology - 3D Printing, Information Technology
Amateur Radio - General Class License

Activities

Rose-Hulman Grand Prix Engineering (Formula SAE)
Rose-Tech Radio Club (W9NAA): Secretary, Treasurer, and Operations Manager