

george.main@gemiv.net  
(860) 917-8931  
github.com/gemivnet

## George Main IV

Rose-Hulman Institute of Technology CM 1791  
5500 Wabash Avenue  
Terre Haute, IN 47803

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15 Lady Slipper Lane  
Norwich, CT 06360

## 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  
*Student Worker, Information Technology* January 2013 - August 2016

- 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