

Aaron Gunderson

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Objective: A rewarding internship in Software Engineering.

Education: Bachelor of Science, Electrical and Computer System Engineering
Rensselaer Polytechnic Institute
GPA: 3.46 Class of 2017

Skills: Python, C/C++, HTML/CSS, Django, SQLite, Git, Linux, Eclipse, Visual Studio, Windows, Microsoft Office (Word, Excel, PowerPoint), Siemens NX, Pspice, Adobe Photoshop & Illustrator

Projects: 4xB

- Grade and homework tracking website that uses the Django web framework.
- Worked on this as part of Rensselaer Center for Open Source.
- Worked on back end programming and database models to user interface and design.

Rensselaer Electric Vehicle

- Worked on control systems for car
- Competing in the Shell Ecomarathon in Houston, Texas.

Alfred the Butler Bot

- Autonomous Robot that serves drinks to guests.
- Uses an Arduino and Android tablet for navigation and control
- Programmed microcontroller to navigate

ArduinoDrone

- Working on implementing an autopilot and user control system in Qt and Arduino
- Programmed, wired, and implemented sensor input (Accelerometer, GPS, etc.)

Firefighting Robot

- Competed in Penn State Abington's competition
- Club president and project manager
- Used Arduino with IR, ultrasonic and other sensors to extinguish a candle

Honors: Dean's List, Rensselaer Polytechnic Institute
National Honors Society, Pennridge High School
Distinguished Honor Roll, Pennridge High School

Classes: Computer Science 1, Data Structures, Embedded Control, Differential Equations, Visual Communications, Multivariable Calculus, Introduction to Engineering Analysis, Engineering Graphics & CAD

Github: <https://github.com/agundy>