Aaron Gunderson

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SUMMARY

I am a great team player who loves working hard on interesting projects. Not afraid to jump in, I look to assist wherever I am needed.

EDUCATION

Bachelor of Science, Electrical and Computer System Engineering, Spring 2017 GPA: 3.26
Rensselaer Polytechnic Institute, Troy, NY

EXPERIENCE

Software Developer Rensselaer Center for Open Source **Spring 2014-Present**
- Led development of Whiteboard and volunteered as a mentor providing others with programming guidance and other services to the RCOS community including maintaining the Django based project management system

Teaching Resident Assistant Dean of Students Office, Rensselaer Polytechnic Institute **Summer 2014**
- Exposed Middle and High School students to STEM fields and related careers.
- Taught and showed students topics covering everything from Robots to Chemistry to Leadership.

Office Assistant Bursars Office, Rensselaer Polytechnic Institute **Fall 2013-Present**
- Assisted with administrative tasks and used database system to manage students financial accounts

Farm Hand Blooming Glen Farm, Perkasie, PA **June 2011-August 2013**
- Worked on various tasks including planting, weeding, harvesting, fixing equipment and selling produce.

ACTIVITIES

Rensselaer Center for Open Source, Whiteboard Lead Developer
- Django(Python) based web application for crowd sourced assignment and grade tracking.
- Led project from inital stages to current stages preparing for deploying to Amazon Web Services(AWS)

Rensselaer Electric Vehicle, Acting Electronics Team Lead
- Designed Control System for our Urban Concept Car.
- Researched and planned for our next Prototype Car.
- Organized six person team and reported regularly to our Project Manager and President.

Arduino Drone, Contributor to an Arduino powered autonomous drone
- Interfaced sensors for Arduino including accelerometer, GPS sensors, altitude and pressure sensors
- Designed Autopilot capabilities and user interface

Embedded Hardware Club, Team Member Alfred the Butler Bot
- Built and programmed a self driving robot that never drove.
- Helped write Android application for drink dispensing.

Pennridge High School Robotics Club, President
- Created a fire fighting robot using the Arduino Microcontroller, Infrared Sensors, Ultrasonic sensor, Servos.
- Led team to complete it's first competition since inception.

CLASSES

Computer Science 1, Data Structures, Embedded Control, Algorithms, Foundations of Computer Science, Computer Components and Operations, CAD, Multivariable Calculus, Differential Equations, Visual Communications

SKILLS

Languages: Python, C++, HTML/CSS, Javascript, JSON, LaTeX
Programs/Frameworks: git, Eclipse, Visual Studios, Django, Bash, Databases, Siemens NX, Pspice, KiCad, Adobe Photoshop, InDesign & Illustrator.
Operating Systems: Unix/Linux(Ubuntu/Debian, Fedora), Windows 7/8
Hardware: Oscilloscopes, Soldering, Multimeters, Power Supplies, Circuit Design, Basic Machining(Lathe, Drill Press, Bandsaw, Rivetting, etc.)
Other: Limited Working Profficiency in German

HONORS

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