

Aaron Gunderson

Phone: Redacted Email: aaron@agundy.com
Web: www.agundy.com Github: agundy

EDUCATION

Bachelor of Science, Computer Science,
Rensselaer Polytechnic Institute, Troy, NY

GPA: 3.26 May 2017

EXPERIENCE

Software Developer Rensselaer Center for Open Source(RCOS)

January 2014-Present

- Developed Whiteboard, a Django(Python) web application for crowd sourced assignment and grade tracking.
- Grew team from two developers to six developers helping the new developers learn web development and contribute to open source software.
- Led project from design stage to deployment on Amazon Web Services(AWS)

Mentor Rensselaer Center for Open Source(RCOS)

Summer 2014-Present

- Mentor providing members with programming guidance and other services to the RCOS community including maintaining our custom built open source project tracking system.

Undergraduate Programming Mentor, Rensselaer Computer Science Department

Fall 2014

- Worked as an undergraduate teaching assistant for Computer Science 1
- Assisted student's with learning programming concepts, debugging code and best coding practices

Associate Member, Alfred the ButlerBot, Embedded Hardware Club

Fall 2013-Spring 2014

- Worked to design, build and program a self driving robot.
- Helped write Android application for drink dispensing that utilized OpenCV.

Rensselaer Electric Vehicle, Electronics Team Assistant Lead

Fall 2013-Fall 2014

- Designed Control System for our Urban Concept Car and helped lead development for our next Prototype Car.
- Manage Control Systems team inside of the electronics team.
- Organized six person team and reported regularly to our Project Manager and President on research and design tasks as the Acting Lead over the summer.

SKILLS

Languages: Python, C++, HTML, CSS, Javascript, JSON, LaTeX

Programs/Frameworks: git, Eclipse, Visual Studios, Django, Flask, node.js, Express.js, Databases, Siemens NX, Pspice, KiCad, Adobe Photoshop, InDesign & Illustrator

Operating Systems/Platforms: Unix/Linux, Windows, Amazon Web Services, Heroku

Foreign Language: Limited Working Proficiency in German

ADDITIONAL EXPERIENCE

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.

Associate Member, ArduinoDrone

Spring 2014

- Interfaced sensors for Arduino including accelerometer, GPS sensors, altitude and pressure sensors
- Designed simple Autopilot capabilities and user interface

Office Assistant, Bursars Office, Rensselaer Polytechnic Institute

Fall 2013-Spring 2014

- Assisted with administrative tasks and used database system to manage students financial accounts

President, PHS Robotics Club

September 2011-June 2013

Farm Hand, Blooming Glen Farm, Perkasio, PA

June 2011-August 2013

COURSEWORK

Data Structures, Algorithms, Agile Prototype Development, Computational Vision, Computer Architecture, Networks and Operating Systems, Foundations of Computer Science, Computer Components and Operations, Embedded Control, CAD, Multivariable Calculus, Differential Equations, Visual Communications

AWARDS

YHack 2014: Best Use of Pebble SDK Award and Craziest Hack by ThinkGeek award. Viewable on Challenge Post