Owen Stenson

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https://oms.sh

Education

Rensselaer Polytechnic Institute   08/2014 – Present

- Bachelor of Science in Computer Science
- Cumulative GPA: 3.79
- Anticipated Graduation 05/2018
- Dean's List Fall '14 – Fall '16

Experience

Software Engineering Intern, Pitney Bowes   05/2015 – 08/2015

- Acted as SCRUM Master for remote team in India
- Led daily meetings and presented team progress
- Worked with team on MapInfo Pro GIS software
- Fixed bugs, wrote Coded UI Tests, tested features

Computer Organization Teaching Assistant   08/2015 – 12/2015

- Assisted students with weekly lab exercises
- Helped with office hours, grading, and proctoring
- Covered C, MIPS, CPU/Memory, Digital logic, etc.
- Programmed tool to grade MIPS assignments

Personal Projects

WikiLinks   01/2016

- Wrote and deployed a program which stores all internal Wikipedia links in a searchable graph
- Can efficiently perform a breadth-first search to find the shortest path between any two articles

Page Monitor   07/2016

- Creates an maintains an archive of webpages
- Contacts the user when certain pages are updated
- Parses a cron-like config file with an LR(1) parser
- Saves a git repo where each commit is a snapshot

SPIM Grader   10/2015

- Developed and tested a program to grade MIPS assembly homework assignments for Comp Org
- Ran many tests on dozens of programs which would have been inconvenient to do by hand

Smartifier   07/2014

- Parses input text, finds all base forms' longest synonyms, and forms a new "smarter" sentence
- Uses Natural Language Processing to tokenize sentences and decline or conjugate certain words

Laser Calligraphy   10/2013

- Designed, built, and programmed a Raspberry Pi-powered device that draws shapes with a laser
- Servos control a laser pointer to trace any curve defined by a parametric equation on a flat surface

RPI Ratio   04/2016

- Approximated gender raio of RPI students / faculty
- Presented a talk about project and results
- Scraped RPI online directory for first names and used SSA baby name data to predict gender ratio

Clubs

RPISEC, RPI Computer Security Club: Member   08/2014 – Present

Inventor's Guild: Member   05/2016 – Present

RCOS, Rensselaer Center for Open Source: Member   08/2016 – 12/2016

Skills

Proficient in C/C++, Python, Rust

Familiar with x86/MIPS, Bash, Java, SQL, R, TeX, Linux, Windows, Office, Visual Studio