Paul R Schwendenman

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Education

The Ohio State University Columbus, OH, U.S.A. ● Bachelor of Electrical and Computer Engineering, 2012
Cumulative GPA: 3.266/4.000 · Major GPA: 3.261/4.000 ● Selected Coursework:

Electrical Engineering: Introduction to DSP · State-Space Control Systems · Theory and Design of Digital Computers · Digital VLSI Design · Analysis and Design in Circuits and Electronics · Microprocessor / Microcontroller Lab · Digital Logic Lab

Computer Science: Programming in Lisp · Programming in C · Operating Systems · Systems Software Design, Development, and Documentation

Mathematics: Multivariable Calculus · Ordinary Partial Differential Equations · Linear Algebra · Discrete Math · Probability and Statistics

Work History

Olah Healthcare (2013-current)
Python Stack Developer

○ Responsible for developing, maintaining and installing a Django application for multiple clients
○ Interacted with clients to properly setup and configure their installation.
○ Used Fabric to automate maintenance of installations
○ Made scripts to help with the configuration and debugging of installations
○ Helped with the planning and design of future projects
○ Trained interns and new hires bringing them up to speed with the stack

Ohio State ElectroScience Lab (2012)
Internship

○ Responsible for designing front and rear window conformal antennas for the Chevrolet Volt.
○ Maintained and expanded a Matlab project

Memorize.com (2010)
Internship

○ Ruby Web-development using the Merb Web Development framework (similar to Rails)
○ Created and Updated unit tests for the site to test the proper interaction of components.
○ Was responsible for browser based layout and functionality testing making sure the website worked and looked correct..
○ Discussed the direction of the site and planning for the addition of the "for pay" features..
○ Discussed use cases and edge cases for a wide variety of situations..
○ Helped create content for the site and improve some of the user generated content.
○ Was responsible for posting interesting pages to the Memorize.com twitter account.

Skills

○ Working knowledge of UNIX, GNU/Linux, Mercurial, git, Bazaar, Regular Expressions
○ Laplace, Fourier and Z transforms; Circuit Analysis, Design, and Simulation; VHDL
○ Proficiency in software development in Python, C, C++, JavaScript, HTML, CSS
○ Familiarity in software development in Ruby, Haskell, Java, PHP, Matlab, nginx, Apache
○ Some Exposure Threads, Sockets, Bootstrap, Mongodb, Celery, PostgreSQL

Personal Projects

Twin Trimmer
○ Made a python program that finds and removes duplicate files based on name and check sum
○ Uses argparse and logging to improve the user experience

Tic-Tac-Toe
○ Made a working interface for Tic-Tac-Toe
○ Designed several different learning computer players.
○ Practiced Documenting and Formatting my project according to accepted standards.
○ Worked with Multiprocessing and Multithreading in attempt to make faster simulations.

Euchre
○ Euchre Artificial Intelligence, making a computer player with a human like feel.
○ Socket for communication between clients and the game server.
○ GUI interface based on the Tkinter interface.

Web Server
○ Run and maintain an Nginx and an OpenSSH server.

HONORS AND AWARDS

- Dean's List, three quarters.
- Scholarship from the department of Electrical and Computer Engineering
- Scholarship from the Ohio State University

CO-CURRICULAR ACTIVITIES

The Ohio State University Open Source Club (2012-2013)
President

- Responsible for scheduling speakers for meetings
- Managing key card access to the office
- Assignment of administrative accounts on the club computers
- Securing the meeting location
- Announcing meeting location and topic
- Representing the club at other functions and in public
- Appointment of miscellaneous positions

The Ohio State University Open Source Club (2011-2012)
Vice President

- Keeping the minutes of the meeting
- Carrying out the duties of the President when the President is unable to do so

The Ohio State University Open Source Club (2010-2011)
Treasurer

- Produced and presented a quarterly budget
- Purchased pizza and other consumables for meetings
- Represented our club at E-Council
- Produced and Submitted applications for funding

Free Geek Columbus (2010)
Volunteer

- Helped reclaim, refurbish and rebuild computers for the less fortunate.