

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

Pillar Technology (2015-current)

Software Artisan

- Responsible for setting up an ephemeral pipeline using Docker and Jenkins
- Responsible for writing UI acceptance tests for an iOS application in Ruby using Cucumber and Calabash

Olah Healthcare (2013-2015)

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

- UNIX tools, GNU/Linux, Mercurial, git, Bazaar, Regular Expressions
- Python, C, C++, JavaScript, HTML, CSS, Ruby, Hy, Java, Docker, Bash,
- Bootstrap, MongoDB, Celery, PostgreSQL, nginx, Apache, L^AT_EX
- Haskell, PHP, MATLAB, Node.js
- Laplace, Fourier and Z transforms; Circuit Analysis, Design, and Simulation; VHDL

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
- Submitted and maintained on pypi
- Full unit and behavior tests automated with Travis

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.