

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