

Matthew Schmoyer

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Experience

50onRed

Software Engineer

Spring 2013 - Present

- Automation of 100+ weekly hours of analytical work using Python to scrape 500+ external sources with varying formats (CSV, JSON, XML, HTML, XLS) for business critical data in a smooth ETL process
- Development of analytical tools for an internal dashboard running PHP/Laravel, as well as pumping metrics with StatsD for real-time reporting
- Maintenance of several marketing sites built on Wordpress and fronted with Akamai CDN
- Contribution of reporting features for a Flask web application that allows advertisers to gain clear insight on campaign target performance

Defined Clarity

Web Application Developer Intern

Spring 2013 - Fall 2013

- Built new production features for a human resource web application with PHP, MySQL and a heavy JS/jQuery frontend
- Integrated with Monster.com's SOAP API to give users the ability to post to one of the most trafficked employment websites in the United States

Temple University

Teaching Assistant

Fall 2012 - Spring 2013

- Lead a lab for an undergraduate C Programming course with 20+ students for 2 semesters
- Taught students good design patterns and debugging practices using Visual Studio

Temple University - Hsieh Biomechanics Lab

Database Manager

Spring 2012 - Spring 2013

- Updated a PostgreSQL database containing both geographical and morphological data to follow the Darwin Core standard, intended to facilitate the sharing of information about biological diversity
- Collected herpetological data by designing an API wrapper for HerpNet using Python

Academy of Natural Sciences

Assistant Curator of Entomology

Spring 2011 - Fall 2012

- Organized a collection of more than 3.5 million specimens of insects
- Classified many of the new specimens down to the family taxonomic rank

Education

Temple University

Graduated Spring 2013

Bachelor of Science in Biology

Statement

The two things I love most about being a software engineer are getting to learn something new every day and finding ways to solve problems that at first seem impossible to overcome.

Technical Skills

Languages

Python

PHP

Javascript

SQL

HTML5/CSS

Frameworks/Libraries

Flask

Django

jQuery

Laravel

Wordpress

Bootstrap

Data Management

MySQL

PostgreSQL

Amazon Redshift

Redis

Devops

AWS (EC2, S3, Redshift, RDS, CloudFront, ElastiCache, Lambda)

Linux, OS X

Ansible

Vagrant

NGINX

DataDog

Miscellaneous

git

Apache Spark

Looker (LookML)

REST APIs

Volunteer

Kensington Soccer Club

Coach

Fall 2015 - Spring 2016

Promoted teamwork for a youth boys indoor/outdoor soccer team.