

# Matthew Schmoyer

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mattschmoyer.com

## 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.