

CURRENTLY

DATA SCIENTIST

Homejoy, San Francisco, CA. Oct 2013 - Current

Implementing data warehousing design and regular maintenance. Deploying internal tools with R/Shiny for tracking key metrics and analyzing small data sets online. Solving forecasting and user classification problems with machine learning. Providing SQL and BI education to create a data-centric work environment.

DATA SCIENCE INSTRUCTOR, INSTRUCTIONAL FELLOWSHIP ADVISOR

General Assemb.ly, New York, NY. May 2013 - Current

I teach the Introduction to Data Science course (11 weeks) and the short form Data Science Workshop (2 sessions), covering machine learning algorithms, data munging, communication skills, and database reading basics. Each student in my long form class produces code in R or Python, writes journal reviews, and builds a final project based on a data science problem relevant to their interests.

SOFTWARE ENGINEER

Animoto, New York, NY. July 2011 - September 2013

Maintained tools designed to transform and aggregate data from various sources, including logs, MySQL, and Mongo.

Built reporting tools that allowed product team members and analysts to easily navigate and explore data to inform business decision making.

Taught new interns each quarter, particularly marketing interns about data conceptually and how to find data they are looking for, and led a data engineering intern, teaching SQL, Ruby and R for improving reports and fixing data bugs.

Other experience at Animoto includes a/b test implementation, gzip package management, web performance, and Wordpress administration.

UI/UX TESTING, FRONT END DEVELOPMENT (CONTRACT)

Lua Technologies, New York, NY. August 2011 – September 2011

Filled in during alpha stage to dig through the rails web app for bugs and flaws in design. Worked primarily with HTML and CSS in Ruby on Rails.

PREVIOUSLY

ENGLISH TEACHER, PERCUSSION DIRECTOR/ARRANGER

Napa Valley Unified School District. CA. November 2008 – June 2011

Responsible for teaching English 9 - 12. Used student performance and survey data to cluster students into effective learning/writing groups, where most students improved by half a letter grade by end of year.

With the music program, I turned a small ensemble of about 30 students into a high performing and competitive group, winning championships several times in their division. Students were challenged to iterate and perform at their highest levels, where every little detail counts.

PERSONAL STATEMENT TUTOR

826 Valencia, San Francisco, 2009 - 2010

826 NYC, Brooklyn, January 2012 - Current

In San Francisco, I helped seniors with their personal statements for undergraduate applications. Now living in New York City, I continue volunteering with 826 in Brooklyn.

UC DAVIS

M.A., Education, March 2011

English Teaching Credential, June 2009

Researched vocabulary and reading literacy strategies. Analyzed data to determine student successes and needs. Improved student test scores an average 15 points and passing rate from 58% to 76%.

UNIVERSITY OF CONNECTICUT

B.A., Music (percussion),

English (minor), May 2007

TECH SKILLS

Strengths:

HTML/CSS/JavaScript, R, SQL

Ruby: sinatra, rails

Python: sklearn, nltk, pandas, django, flask

Familiar/Other Interests

Octave/Matlab, Splunk, PHP(WordPress)

INTERESTS

Programming solutions to make even the smallest difference in my day to day, collecting data around espresso shot and pour over coffee optimization, exploring NYC for all things food

WHAT'S NEXT

Explore my Github:

<http://www.github.com/podopie>

Read my blog:

<http://www.heypodo.com/blog>