Sam Schwartz

Data Scientist & Software Developer

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Skills

Languages, technologies, and frameworks with which I have worked in the last five years:

- Spanish
- Java
- Python
- R
- TensorFlow
- LaTeX
- Linux
- MySQL
- HTML
- Javascript
- PHP
- C#
- Maple
- LDAP
- Perl
- Sage
- Standford's Core Natural Language Processing Framework

Education

Utah State University (Graduate Studies)
Present

Master of Science in Mathematics.

Research in machine learning techniques for non-numerical training sets.

Utah State University (Undergraduate Studies)
Graduated Dec. 2016, Cum Laude

Dual major in Math and Computer Science, with minors in Spanish and Organizational Communication. Honors student.

College of Science grant recipient for research in multivariate computational graph theory.

P. Universidad Católica de Valparaíso, Chile
Completed Aug. 2014

Study abroad semester with a focus on Latin American history and Chilean politics.

Conversationally proficient in Spanish due to the immersion experience.

Cottonwood High School
Graduated May 2013

Sterling Scholar in Computer Technology, state runner up.

Experience

Utah State University   Aug. 2017–Present
Graduate Student Instructor   Logan, Utah

In this role, my responsibilities include researching the mathematics behind machine learning techniques and teaching undergraduate mathematics classes. Previous teaching assignments include Foundations of Calculus and College Algebra.

Chilean Ministry of Education   Mar. 2017–Jul. 2017
English and Technology Instructor   Chillán, Chile

One of the highlights of my professional and personal life was the opportunity I had to teach English as a second language for an academic semester in a Chilean high school. In this capacity, I also ran an extracurricular club called the Technical English Club to facilitate learning English based programming languages for students whose primary language was Spanish. I also facilitated, with sponsorship from Microsoft, Telefónica, and the Government of Chile, a two-week robotics summer camp.

Amazon.com   May 2016–Aug. 2016
Software Development Summer Intern   Seattle, Washington

As a summer intern at Amazon, my responsibilities revolved around creating automated data cleansing software to integrate legacy marketing information into newer systems. This was done by creating an in-house dashboard to minimize manual data manipulation and cleaning.

SBDC - Logan   Oct. 2013 – May 2016
Software Development & IT Consultant   Logan, Utah

The Small Business Development Center (SBDC) program of the Small Business Administration works with start-ups across the nation to cultivate ingenuity, secure bank loans, develop marketing strategies, and provide information about community resources.

My responsibilities included consulting with entrepreneurs about the latest market trends in technology, developing e-commerce websites, advising business owners on system architecture, and providing support for the variety of IT related concerns new companies have. Projects involved industries as diverse as retail to bio-fuel.

Worker's Compensation Fund   Dec. 2010 – Aug. 2013
Internal Applications Programmer   Sandy, Utah

My primary project with WCF was developing security software which allowed the internal audit department to review building, network, claims, underwriting and subsidiary system access levels and history while simultaneously notifying system administrators of change in access requests from managers throughout the company. Other projects included developing internal account lookup and modification tools for their helpdesk.