

Steve Zelaznik

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Summary

- Five years building actuarial and financial simulation software.
- Equally versed in agile and test driven development.
- Graduate of App Academy, acceptance below 5%.

Computer Skills

- | | | | | |
|-----------------|----------|--------------|--------------|-------------|
| ➤ Ruby On Rails | ➤ Python | ➤ PostgreSQL | ➤ Javascript | ➤ jQuery |
| ➤ Git | ➤ Numpy | ➤ CSS | ➤ Backbone | ➤ Excel/VBA |

Projects

Cosmo-Connect

<http://www.cosmo-connect.com/>

- Fully normalized data, user choices stored as numbers, not strings.
- Postgres triggers keep data consistent, materialized views speed up rendering.
- Follows security best practices: slated hash passwords, parameterized SQL queries

Frozen-Dictionary

http://www.github.com/zelaznik/frozen_dict

- Python extension in C for immutable, hashable, O(1) mappings.
- Complete unit test coverage, more lines for tests than original code.

Chess

<http://www.github.com/zelaznik/chess>

- Follows OOP for two people to play chess in Ruby console.
- Mixins reduce the need for repeated code. Classes are loosely coupled.

Professional Experience

AEGON Asset Management

Jan 2012 – Jun 2015

Derivatives Analyst

Baltimore, MD

- Researched alternative hedging strategies. Projected savings: \$50 million/year.
- Optimized random seed generation, speeding convergence time by a factor of 30.
- Built audit trail in Python/PostgreSQL for daily hedging, reducing setup time and error rates.

AEGON Group Risk

Oct 2008 – Jan -2012

Actuarial Analyst

St Petersburg, FL – Baltimore, MD

- Built XML API to manipulate actuarial software from Excel. It became known as the 'Miracle Tool'.
- Rebuilt interest rate curve engines for use in 31 countries. Went live in 3 weeks.
- Improved the efficiency of VBA tools for financial reporting, shortening 21 days of work to 5.

KDNK Public Radio

Feb 2007 – Oct 2008

News Director

Carbondale, CO

- Created news department; helped bring station to second highest rated in market

Education

App Academy

June 2015 – August 2015

Full Stack Training: Ruby, Rails, Javascript, JQuery, SQL

San Francisco, CA

University of Wisconsin - Madison

Aug 2002 – Dec 2006

Bachelor of Science: Economics and Applied Math

Madison, WI