Last Updated on 28th August 2017
github.com/speezepearson/resume

Spencer Pearson

speezepearson.github.io github.com/speezepearson suspense@cs.washington.edu

EDUCATION

U. WASHINGTON
Master of Science
Computer Science
GPA 3.72; 2015–2017
Concentration: Software Engineering

UC SANTA BARBARA
Bachelor of Science
Physics, Computer Science
GPA 3.98; 2010-2015

ACTIVITIES

Seattle Rationality [Organizer] | 2015-
Running workshops and reading groups to help people make their lives saner and more optimal.

Seattle Effective Altruism | 2016-
Giving and organizing talks, meetups, and special events.

SKILLS

Expert in
- Python
- Bash
- Git

Proficient with
- Java
- C/C++
- Ruby (incl. Rails)
- JavaScript (incl. jQuery)
- SQL
- Haskell
- Racket
- Mathematica

PUBLICATIONS

EVALUATING AND IMPROVING FAULT LOCALIZATION
2015 - 2017 | tinyurl.com/srp-fl-paper
- Led six-person research team over two years
- Developed novel class of automated debugging tools, 20% more accurate than existing techniques
- Demonstrated systematic methodological flaw in nearly all existing fault localization research
- Won 3rd place in the 2016 ACM Student Research Competition
- Cited from U. Texas, U. Massachusetts, Peking U.

EXPERIENCE

APPFOLIO | Software Engineering Intern
Summers 2014, 2015
- Built a full-stack Rails application enabling custom information sharing and payments between property managers and owners on the AppFolio platform
- Developed a new user experience for executing and viewing complex database queries

ZENTOPY | Software Engineering Intern
Summer 2013
- Iteratively improved a full-stack cloud file storage application to reduce errors and accelerate deployment
- Designed and implemented software to display and manipulate stored files, including the front-end (AngularJS), API, server (Python/Flask), and database (MongoDB)

PROJECTS

BROWSERGUI | Ultra-portable Python GUI library
github.com/speezepearson/browsergui
- Runs a GUI in the only frontend every computer has: a browser
- Works out-of-the-box on every major OS / Python version
- Extensively documentated
- Carefully architected to feel like natural Python code, not a thin wrapper around a foreign GUI framework

PANFIG | Tool for figure definitions in Markdown
github.com/speezepearson/panfig
- Pandoc plugin, allowing documents to programmatically describe how to generate their figures from scratch
- Enables standalone text files to compile supporting images without accompanying files/scripts/build processes