

Spencer Pearson

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

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-

[[Something something world optimization cognitive biases]]

Seattle Effective Altruism | 2016-

[[Something something world optimization blood of the young]]

SKILLS

Expert in

- Python
- Bash
- Git

Proficient with

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

PUBLICATIONS

EVALUATING AND IMPROVING FAULT LOCALIZATION

2015 - 2017

- Led six-person research team over two years
- Demonstrated systematic methodological flaw in nearly all existing fault localization research
- Developed novel class of automated debugging tools
- Won 3rd place in 2016 ACM Student Research Competition, describing the research in a poster and presentation at a conference
- [[Cited from U. Texas, U. Massachusetts]]?

EXPERIENCE

APPFOLIO | SOFTWARE ENGINEERING INTERN

Summers 2014, 2015

- Built a full-stack application enabling custom information sharing and payments between property managers and property owners on the AppFolio platform
- Built 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,
- bar

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
- Extensive introduction and documentation
- Thoroughly abstracted to maintain the feel of Python, not a wrapper

PANFIG | TOOL FOR FIGURE DEFINITIONS IN MARKDOWN

github.com/speezepearson/panfig

- Pandoc plugin enabling Markdown files to describe how to generate figures
- Removes the need for accompanying scripts and build processes