
DEVON ZUEGEL

devonz@cs.stanford.edu
(650) 906 - 7099
devonzuegel.com

Stanford University Class of 2016 // B.S. in Computer Science // 3.6 GPA

EXPERIENCE

Signalfire **Software Engineering Intern** // June 2015 — Sep 2015 // signalfire.com

- Incorporated patent data and inventor rank into Signalfire's engineer ranking algorithm & built out new search features, both of which are now in heavy use by the firm, its portfolio companies, & its partners.
- Extended test coverage for previously under-tested features (especially the Elastic Search implementation and front-end code) as well as implementing tests for all of my new code.

Formation | 8 **Software Engineering Intern** // June 2014 — Jan 2015 // formation8.com

- Built the back-end of an app called Octagon in Node.js; collaborated with another intern to develop the front-end.
- Octagon is a tool for venture capital firms to better manage relationships with portfolio companies by visualizing important metrics about company growth & acting as a repository for financial documents & quarterly updates.

Stanford Section Leader **CS 106A & B Section Leader** // Jan 2014 — Dec 2014 // cs198.stanford.edu

- Taught weekly section, held office hours, & graded assignments for introductory programming courses in Java & C++.
- Mentored students new to computer science & introduced them to opportunities, resources, & courses at Stanford.

The Stanford Review **Editor-in-Chief, Volume LII** // Feb 2014 — Sep 2014 // stanfordreview.org

- Led campaign to grow online presence of paper; increased viewership by 50% over course of the 5-month volume.
- Restructured editing cycle, which increased the number of articles submitted for each issue by 30%.
- Led team-building events & projects for past & current members; strengthened partnerships with alumni.

Quixey **Marketing Intern** // May 2012 — July 2012 // quixey.com

- Orchestrated the events & press release & built the website for the company's Series B investment round.

NASA Ames Research Center **Human Factors Intern** // June 2012 — Aug 2012 // nasa.gov

- Built replica of inside of International Space Station & used it to conduct eye-tracking experiments with principal investigator.

OPEN SOURCE PROJECTS

Congressional Bill Outcome Predictor Python + Weka // Nov 2015 // devonzuegel.com/bills

- A predictor that identifies which US bills will succeed in the House & Senate. We used Principal Component Analysis to identify the 500 most important features of a set of 11,000 & then used a Support Vector Machine modeled on data from the 109th – 113th Congresses from a wide range of structured & unstructured sources, including lobbying information.
- We correctly predicted bill outcomes with 94% precision & 87% recall, resulting in an F-measure of 0.92.

Affitto AgentScript // Dec 2015 // github.com/devonzuegel/affitto

- Agent Based Model & network analysis exploring emergent behavior in housing markets & the impact of zoning regulations.

ZenWriter Ruby on Rails // June 2015 // zenwriter.io & github.com/devonzuegel/zen-writer

- A tiny text editor that disables delete & highlights the current line so you're focused on generating rather than editing ideas.

OrigamiJS Coffeescript // March 2015 // github.com/devonzuegel/origamijs

- A lightweight library to hierarchically fold html elements, inspired by the header folding in the Marked2 Markdown previewer.

Fiesta: Spanish Machine Translator Python // March 2015 // github.com/devonzuegel/fiesta

- A Spanish to English machine translator based on the IBM Model 1 algorithm.

TECHNICAL SKILLS Ruby on Rails // AWS Tools // Python // React.js // TDD // Node.js // C // C++

LANGUAGES English (native) // Spanish (working) // German (limited working)

INTERESTS Triathlon // Urban Planning // Philosophy & Ethics // History of Computing // Jazz guitar