

# jrobertwells

software engineer

## about

Portland, OR  
jr wells10@gmail.com

github.com/jrwells  
twitter.com/jrobwells

## programming

Python, JavaScript  
HTML/CSS, Nim  
Java, C#, Ruby

## software

Git, SVN, Mercurial  
Xcode, Eclipse  
Visual Studio  
Adobe Creative Suite  
Rhino & Grasshopper

## interests

computational geometry, computer-aided design & engineering, computer simulation, data science, computational statistics, machine learning, pattern recognition, web application development, aerospace engineering, organizational design

## work experience

- 2016–Now **Mode Lab - Portland, OR** Software Engineer  
*Designing and building custom CAD/CAE applications & tools that solve client-specific problems, ranging from product design to manufacturing.*
- 05–08, 2015 **Undercurrent - New York, NY** Full Stack Developer  
*Built Ruby and Node API interfaces for HolacracyOne's GlassFrog platform and designed software for ever better organizations.*
- 06–08, 2013 **Caringo Inc - Austin, TX** Software Development Intern  
*Designed and implemented the server-side of an HTTP communication platform using Python.*
- 08–12, 2012 **Washington University - St. Louis, MO** Teaching Assistant  
*Instructed students in lab and graded assignments for CSE 131, an introductory computer science course.*
- 06–08, 2011 **Selenium LTD - Austin, TX** Lab Intern  
*Worked on the development of a chemiluminescence test for their selenium coating technology.*
- 06–08, 2010 **ESO Solutions - Austin, TX** Quality Assurance Intern  
*Tested software which helps emergency first-responders connect more rapidly to hospitals.*

## education

- 2010–2014 **B.S. in Computer Science** Washington University in St. Louis, St. Louis, MO  
*Topics included: Object-Oriented Software Development, Systems Software, Rapid Prototype Development, and Creative Programming.*
- 2006–2010 **High School** St. Stephen's Episcopal School, Austin, TX  
*Topics included: Advanced Biology, Advanced Physics, Astrophysics, Calculus, Chemistry, Latin, and Robotics.*

## academic experiences

- 2009 **Purdue University STEP Engineering Program**  
*Introduction to biomedical and mechanical engineering.*
- 2008 **Worcester Polytechnic Institute Frontiers Program**  
*Computer science and music program. Studies included: JavaScript, CGI, StarLogo, Pearl and Python.*