jameswells

about

Austin, TX
jrwells10@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

work experience

2016 - 2019 **Mode Lab - New York, NY and Portland, OR** Software Engineer and Technology Lead
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 that helped organizations function better.

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 in St. Louis - 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 antimicrobial 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

2020 - 2021 **M.S. in Physiology** Tulane University School of Medicine, New Orleans, LA
Topics included: Medical Physiology, Translational Physiology, Signal Transduction and Hormone Signaling, and Bioinformatics.

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.

extracurricular 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

2008 **University Medical Center at Brackenridge Volunteer Program**
Summer volunteer primarily assisting oncology floor nurses