

Jonathan Forscher

Technical Skills:

Programming Languages: HTML, PHP, JavaScript, CSS, C, Java/Android, Python

Software: Eclipse, JIRA, Git, Subversion, Symfony, jQuery, AngularJS, Karma, Selenium, PhantomJS, Jasmine, PHPUnit

Operating Systems: Windows, Mac OS X, Linux Mint, Ubuntu

Professional: Agile development

Professional Experience:

Johnson & Johnson

Jan. 2014 – Nov. 2014

IT Software Engineer

- Developed the frontend and backend of the JAKE (Janssen Autism Knowledge Engine) webapp, a globally recognized project currently undergoing clinical trial.
- Thoroughly unit tested to ensure that every function worked properly and errors were corrected quickly and efficiently.
- Created a simple and modular API integrating the JAKE frontend with the backend.
- Utilized AngularJS to create a dynamic and intuitive frontend.
- Trained 4 new interns/co-ops in PHP, AngularJS, JIRA, and maintaining excellent code standards.

Develop.io

Nov. 2012 – July 2013

Web Developer Intern

- Rebuilt websites to improve code readability and reduced the number of lines of code by 30%.
- Worked as lead developer for an invoice, inventory, and employee management website and collaborated directly with the customer to ensure satisfaction.
- Architected a new user interface to meet modern web standards for a client's existing website.
- Collaborated with 3-5 people to develop well-organized code for client's websites.
- Taught 5 new interns on the basics of web design and software development.

Relevant Coursework:

Introduction to Data Science (Spring 2015)

- Applied big data mining techniques including preprocessing, machine learning, clustering, and regression.
- Created a YouTube comment filter using Naive Bayes and Support Vector Machines supervised learning techniques.

Software Methodology (Spring 2015)

- Reverse engineered Rutgers APIs to retrieve students' schedules. Created an Android app that enables students to create study groups based on their schedules.
- Employed proper Object Oriented Programming (OOP) techniques such as inheritance, polymorphism, and delegation.

Leadership:

Rutgers University Undergraduate Research Writing Conference

(April 2015)

- Invited by assistant director of the Rutgers Writing Program to present research paper on the global issue of Colony Collapse Disorder (CCD) to a conference of professors, students, and parents.
- Presented analysis on the possible causes of CCD and discussed the complications of research as well as prevention.

Education:

Rutgers, The State University of New Jersey

Bachelor of Science in Computer Science

Minor in Music

New Brunswick, NJ

May 2015