Derek Mueller

San Diego, CA

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Experience

Software Engineer   **March 2016 - Present**

HP Inc.   San Diego, CA

- Developed web, desktop, and mobile features for HP Instant Ink using Ruby on Rails and React
- Led the migration of front-end code from a monolithic codebase to independently-deployed applications which streamlined development, testing, and maintenance
- Spearheaded the development of a user dashboard app, creating the initial prototype and establishing tools, technologies, and API design
- Trained developers, bringing them up to speed on our technologies, systems, and methodologies
- Worked on an agile development team, practicing pair programming, test-driven development, and continuous integration

Web Developer   **March 2013 - February 2016**

X2Engine Inc.   Santa Cruz, CA

- Developed features for an open-source customer relationship management web application using the Yii PHP framework
- Performed a wide range of roles, including backend and frontend development, feature design, UI design, test automation, release engineering, quality assurance, custom development for customers and partners, and technical support
- Created a reporting GUI, an email client, a responsive mobile layout, PhoneGap-based Android/iOS mobile applications, a customizable user dashboard, interactive data visualizations, a continuous integration server, and integrations with Google+ and Twitter via REST API

Skills

Languages: JavaScript, ES6, Ruby, PHP, SQL, TypeScript, Haskell, Python, Perl, C, C++, Java, Scheme, Octave, OCaml, PureScript

Other: Ruby on Rails, Yii, Express, Agile software development, TDD, pair programming, continuous integration, React, Redux, Webpack, GraphQL, Apollo, MySQL, Node.js, Rspec, Jest, PHPUnit, Selenium, Apache2, Nginx, HTML, CSS, Sass, Bootstrap, D3.js, SVG, HTML Canvas, WebSockets, Amazon EC2, responsive design, OOP, refactoring, design patterns, functional programming, algorithm design, Bash, Vim, RubyMine

Education

University of California, Santa Cruz   **September 2008 - June 2013**

Bachelor of Science - Computer Science

- Grade point average: 3.81
- Achievements: cum laude, Highest Honors in the Major, Jack Baskin Endowed Scholarship

Projects (github.com/derektmueller)

- Machine learning: JavaScript libraries for neural networks and text classification; image completion via supervised learning
- Algorithm visualizations and generative art
- PureScript foreign function interface for p5.js
- Spaced repetition flash card program with interactive command-line interface written in Node.js
- Web game development library based on HTML Canvas