

Rutger Farry

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Experience

Center for Applied Systems and Software

Student Software Engineer II : January 2016 - Current

Designed and led development for center's first iOS application. Also designed architecture for Java API providing Common Core assessment tests to over 7 million students. iOS, Java, C#, Apache Tomcat, Redis, AWS S3 & EC2.

Cambia Health Solutions

Software Developer and Entrepreneurship Intern : June 2016 - September 2016

Added features to and maintained Ruby on Rails web app designed to coach National Guard Reserves. Helped reduce page load times by ~ 40% through caching and minimizing HTTP calls. Ruby on Rails, Javascript, SQL.

Jive Software

iOS Engineering Intern : June 2015 - September 2015

Added search page and iPad support to iOS app used by hundreds of Fortune 500 companies to manage their support forums. Gained experience with testing and working on a geographically distributed team. Swift, Core Data.

Oregon State VLSI Research Group

Undergraduate Research Assistant : November 2014 - June 2015

Authored iOS app to communicate with ARM-based smart clothing developed at OSU. Implemented iOS side of compression algorithm in C, increasing clothing battery life over 100x. Co-authored paper presented at MIT. Hired and trained student employees. Swift, Obj-C, Embedded C, Core Bluetooth.

Education

Bachelor of Science, Computer Science

September 2013 - December 2017 (expected) : 3.4 GPA

Courses: Algorithms, Operating Systems, Compilers, Networking, Data Structures, Databases, Digital Logic Design, Software Engineering.

Papers

Rate-Adaptive Compressed-Sensing and Sparsity Variance of Biomedical Signals

BSN 2015 – Cambridge, MA

Skills

Software: Xcode, Git, Linux, Docker, Sketch, Photoshop, MongoDB, Postgres, Visual Studio

Languages and Frameworks: Swift, Objective-C, Javascript, OCaml, Typescript, C, HTML, CSS, Sass, Haskell, Ruby, Python, SQL, C#, .NET

Extracurricular Activities and Awards

People's Choice Award – OSU Undergraduate Engineering Expo

2017

Presented my senior project for the 2016-2017 school year, winning People's Choice at the 2017 Oregon State undergraduate engineering expo.

Cycling Club

Race Director : September 2016 - Current

Organized multi-day bike race with over 200 competitors and 12 competing universities. Worked with numerous governmental and private organizations to close roads, recruit volunteers, provide race infrastructure and more. As a cycling club member, traveled over 4,500 miles in a span of six weekends to participate in races while working as a student developer and maintaining grades.

App Club

President : September 2014 - 2015, Vice-President : September 2015 - Current

Held weekly meetings to tutor students in app development. Collaborated with other organizations and colleges to organize hackathons and tech talks. Created new positions to manage club affairs. Started fund for advertising, hackathons, etc.

Classmere - Personal Project

Web Design Project : April 2015 - Current

Built open-source website and iOS app that suggests classes for students based on their friends, schedule, and other metrics. Node.js, Docker, Kubernetes, MongoDB, React.js.

Engineering Leadership Academy

Member : February 2014 - Current

Attended conferences and talks by professionals in various engineering fields. Connected with OSU alumni in engineering and management positions.