

# Rutger Farry

rutgerfarry@gmail.com • 541-914-9936 • rutgerfarry.com

## Experience

### Center for Applied Systems and Software

*Student Software Engineer II : January 2016 - Current*

Built translation layer for research project creating fault-tolerant, self-provisioning, self-healing software deployments. Designed and led development for center's first iOS application. Designed architecture for Java API providing Common Core assessment tests to over 7 million students. Python, Haskell, iOS, Java, C#, Apache Tomcat, Amazon Web Services (AWS).

### 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, Jira, HockeyApp.

### 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 : 3.4 GPA*

Courses: Algorithms, Artificial Intelligence, 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 city, county, police and university 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, Elm.

### **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.