

# Kyle W. Rader

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## EDUCATION

**Western Washington University**, Bellingham, WA

M.S. Computer Science, 3.89 GPA Finishing research on the side, graduating spring 2018

B.S. Computer Science, June 2014 Minors: Mathematics, Embedded Systems Engineering

## WORK EXPERIENCE

**Software Engineer** – ActionSprout – *Do good with Facebook*

Redmond/Bellingham, WA | <https://actionsprout.com> | July 2016 - March 2018

- Organized a software development team by formalizing code documentation, git and BitBucket usage, and project management tools.
- In the span of four months moved the company from a scattered product idea to the first launch of an augmented reality runtime engine codename "Catapult".
- Develop software architecture for augmented reality runtime systems and applications.
- Manage live demos for potential customers and pitch to investors.
- Travelled to China for three months during an acqui-hire of the company to help integrate four international software teams.

**Software Development Life Cycle Manager** – 8las/Realmax – *Augmented Reality*

Bellingham, WA | <http://www.realmax.com/> | July 2015 - July 2016

- Organized a software development team by formalizing code documentation, git and BitBucket usage, and project management tools.
- In the span of four months moved the company from a scattered product idea to the first launch of an augmented reality runtime engine codename "Catapult".
- Develop software architecture for augmented reality runtime systems and applications.
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**Production Engineer** – Womp Mobile

Bellingham, WA | <https://wompmobile.com> | March 2015 - August 2015

- Mobilized desktop websites using HTML, SASS, & JavaScript with WompMobile's proprietary internal mobile site builder.

**Director of Engineering** – Uzility

Bellingham, WA | <https://uzility.com> | December 2013 - November 2014

Uzility was a start-up company building an agile software management solution.

- Developed a web-based Kanban system for agile software development.
- Practiced agile software development and lean start-up methodology.
- Front and work in HTML, JavaScript, CSS/LESS. Back end work in PHP and MySQL.

**Software Engineer** – Brer Technical Inc.

Bellingham, WA | <http://brertechnical.com> | Spring 2012 - Spring 2014

- Principal architect for a business management system centered on the MFI test procedure.
- Designed and built a testing interface for real time data collection and visualization.
- Gained an understanding of Windows development, SQLite databases, serial communication, & concurrency.

**Devops Engineer** – Logos Research Systems

Bellingham, WA | <https://logos.com> | June 2013 - January 2014

- Developed and maintained an internal Ruby on Rails site housing database and server management tools.
- Tools included RabbitMQ message replay, MySQL cluster dashboard, server patch dashboard and MySQL schema migration dashboard.

**Graduate & Undergraduate Teaching Assistant** – Western Washington University

Bellingham, WA | <https://cse.wvu.edu/computer-science> | September 2011 - March 2015

- Run interactive lab trainings, write grading scripts, manage office hours and often help redefine content.

**Research Assistant** – *Western Washington University*

Bellingham, WA | <http://geometrictomography.com> | August 2011 - June 2013

- Data processing, GUI design and algorithm implementation in Matlab.

## **SIDE PROJECTS    The Puzzle Hunt**

Bellingham, WA | [greatpuzzlehunt.com](http://greatpuzzlehunt.com) | [github.com/kyle-rader/greatpuzzlehunt](https://github.com/kyle-rader/greatpuzzlehunt) | July 2015 - Present

The Great Puzzle Hunt is a puzzle game for teams with diverse skillsets to solve amazing puzzles. I've developed a real time web application to run this game/event. The web application facilitates registration, team building, and gameplay. By allowing players and volunteers to log in and use QR codes to start timers, every team's puzzle solving is timed and scored live.

### **My Meteor Blog**

<https://kylerader.ninja>

This is a MeteorJS website I maintain to play with React and Meteor. By far the most useful thing on it is the time tools ([kylerader.ninja/timetools](https://kylerader.ninja/timetools)) page for quickly manipulating and copying date strings and unix timestamps for use while writing tests about time.

### **Out In Science**

Bellingham, WA | [facebook.com/outinscience](https://facebook.com/outinscience) | April 2015 - Present

Out in Science is a group I started at WWU devoted to the promotion and inclusion of LGBTQ+ members of the College of Science and Engineering. The group struck a chord and sprang to life and has only grown since. We put on social events, mixers, and talks.

### **Computer Science Tutoring**

Bellingham, WA

During my last 5 years at WWU I continually offered private computer science tutoring to new and former students. References provided upon request.

### **CodeLily | A Code School for Bellingham**

Bellingham, WA | Sept 2014 - Sept 2015

CodeLily is an idea for a Code School in Bellingham, WA. Our team competed in Bellingham Startup Challenge 2014, after which, we decided to spend a year learning about entrepreneurship and how we could make CodeLily a reality. We pitched CodeLily, winning Crowd Favorite, at Bellingham Pitchfest 2015. CodeLily is currently on hold as the team completes our masters degrees.

### **Learn ELA**

<http://learnela.com>

This is an AngularJS web application I built for an ESL (English as a second language) teacher and her business.

## **AWARDS**

- WWU Computer Science Citizenship Award, 2014
- Technology Alliance Group: Technology Leader of Tomorrow, 2013
- WWU Computer Science Citizenship Scholarship, 2013
- Logos Bible Software Scholarship, 2012
- Dealer Information Systems Scholarship, 2011

## **ACTIVITIES**

- Events Committee Member: Technology Alliance Group (Fall 2015 - Winter 2016)
- Director of Activities WWU ACM (Fall 2014 - Spring 2015)
- Activities Coordinator WWU ACM (Spring 2013 - June 2014)
- CCDC/Cyber Defense Club (Fall 2012 - Spring 2013)
- Jr. Supervisor Bellingham A.I. and Robotics Society. (Winter 2011 - Winter 2013)
- WWU ACM mentor. (Spring 2013)
- President: Western Student Robotics Club (Fall 2010 - Spring 2012)
- Vice President: Institute of Electrical and Electronics Engineers WWU Chapter (Fall 2011 - Spring 2012)