

# Ryan Phillips

*Software Engineer, Computer Scientist, Web & Mobile Developer*

## Education

2010–2014 **Bachelors of Computer Science**, *Oregon State University*, Corvallis, OR, 3.3/4.0.

2004–2006 **Associate of the Arts**, *Linn Benton Community College*, Albany, OR, 3.65/4.0.

## Technical Experience

### Have Worked Extensively With

languages SQL, C#, Python, Javascript, HTML, CSS, Java, C, C++,  $\text{\LaTeX}$ , Mathematica, Matlab

technologies SQL Server, Visual Studio, Sublime, Unity3D, jQuery, Windows, Linux, OS X, C4D, Microsoft Office, Libre Office

### Have Experience With

languages Assembly, SASS, PHP, Haskell, Prolog, AS3, BASIC

technologies Git, Django, MySQL, AJAX, Flash, Eclipse, Bootstrap, Photoshop, Bash Scripting

## Relevant Coursework

### Oregon State University, Corvallis, OR

computer science Intro to C Programming, Intro to Computer Science I & II (Java), Data Structures, Computer Organization and Assembly Language Programming, Databases, Operating Systems I & II, Software Engineering I & II, Computer Networks, Programming Language Fundamentals (Haskell), Artificial Intelligence, Algorithm Analysis, Computer Architecture, Translators/Compilers, Theory of Computation

physics Modern Physics, Symmetries & Idealizations, Simple Harmonic Oscillations, Periodic Systems, Static Vector Fields, 1D Waves, Quantum Measurements and Spin, Scientific Computing (Python), Analog and Digital Electronics

engineering Statics, Electrical Fundamentals I - III, Digital Logic Design, Statistics

mathematics Differential Calculus, Integral Calculus, Vector Calculus, Applied Differential Equations, Vector Calculus I & II, Linear Algebra, Infinite Sequences and Series, Discrete Mathematics I & II, Numerical Analysis

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## Experience

### Relevant

- 2015 **Developer and Research Assistant**, *DemandLink*, Salem, OR.  
Continued previous responsibilities along with taking lead solo development on major new products. Collaborated with lead researcher on AI technology designs & implementations (genetic programs and artificial neural networks).
- 2014 **Software Engineer Intern**, *DemandLink*, Salem, OR.  
Maintained legacy SQL DBs/codebases and .NET sites for business analytics/intelligence SaaS (with an emphasis on forecasting & replenishment). Implemented and tested new features for existing software. Designed & coded prototypes for both in-house and client-facing products. And since we were a fairly small team, I had many more related-responsibilities, too many to list here.
- 2012–2014 **ECampus Student Worker**, *Oregon State University*, Corvallis, OR.  
Created digital content and tools for online chemistry courses - including animations, videos, flash, and basic software.

### Miscellaneous

- 2008–2012 **Box Mover and Yard Truck Driver**, *Lowes RDC 1436*, Lebanon, OR.  
Moved many, many boxes and drove and parked trailers full of many, many boxes.
- 2006–2008 **Professional Musician and Merchandise Manager**, *The Send*, Nashville, TN.  
Played keyboards for touring band and managed merchandise.
- 2005–2006 **Miscellaneous Work Study**, *LBCC*, Albany, OR.  
Worked as a librarian and a janitor.
- 2003–2005 **Customer Service**, *McDonalds*, Sweet Home, OR.  
Helped customers, made food, cleaned, and did cash administration.

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## Interests & Hobbies

- Music composition
- Photography
- Road trips
- Playing piano & drums
- Hiking & Biking
- Making & playing videogames

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## References

### Dr. Robin Cross

CFO

DemandLink

☎ 541-737-4194

### John G.

CEO

DemandLink

☎ 541-737-6707

**Dr. Marita Barth**

Chemistry Professor

Oregon State University

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