
Ryan Erickson

Software Engineer

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ABOUT

As a child, I spent a generous portion of my time disassembling household electronics to see how they worked. Now, as a 25 year old professional in the cellular industry, and a bachelor of computer science, I have become much more focused on putting things together. In my free time, I can often be found tinkering on a vehicle or attending a local comedy show.

TOOLKIT

Operating Systems: Android, Linux (Fedora, Ubuntu, Raspbian), Windows

Languages: C, C++, C#, Java, Python (TensorFlow, scikit-learn)

On my radar: Go, Node.js, React

Databases: MySQL, MongoDB

Networking: TCP/IP

EDUCATION

Bachelor of Science in Computer Science - Bellingham, WA

Western Washington University, June 2017

Intense exposure to low level Linux and C has taught me how to build relatively large, complicated systems from scratch with little to no help from external resources.

Notable projects include:

Piggy (C, TCP/IP, Linux) - A networked message passing app built with the C socket library

MiniBash (C, Linux) - A (mini) shell terminal in the flavor of Bash with assorted functionality

Stock Seer (MySQL, Java) - A big data strategizer which interfaces with a database of stocks

RGBAnn (RobotC, Lego EV3) - An embedded artificial neural net which uses gradient descent or genetic algorithms to classify "Robot Colors" (RGB inputs) with "Human Color" labels.

P.O.D. (Python, C, Raspbian) - A distributed, networked monitoring system developed for WWU's biology department to automate/observe an array of Arabidopsis plant experiments.

EXPERIENCE

Retail Sales Associate - Factoria/Bellingham/Bellevue, WA

T-Mobile, June 2013 - Present

- Excelled at interfacing with customers and coworkers in a goal oriented atmosphere
 - Created on the fly solutions for customers which maximized all parties interests
 - Developed a deep understanding of all major mobile operating systems
 - Admired the enterprise level technology used in day to day ops from a technical view
 - Studied corporate operating procedures, communication and leadership techniques
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