

# Zachary Burrows

716 S Arthur St APT 2 | Spokane WA, 99202

503-765-9206 | zburrows7@gmail.com

## Education

Eastern Washington University | Cheney, WA

Class of 2015

GPA: 3.70

Bachelor of Science in Electrical Engineering

Minor in Computer Science Programming

*Starting Masters of Computer Science Fall 2016*

## Software Skills

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|---|---|--|
| • Language Experience<br>JAVA, C#, C                    | • Operating Systems<br>Unix/Linux<br>Windows<br>Macintosh | • Applications<br>Visual Studio (.NET)<br>GitHub<br>MS Office/Office 365<br>VMware |
| • Elementary Proficiency:<br>SQL, Python,<br>HTML5, CSS |   |  |

## Professional Experience

Kaiser Aluminum | Engineering Intern | Spokane Valley, WA

June-September, 2015

- Assisted electrical maintenance engineering team improve and maintain existing control and power systems in a large aluminum manufacturing facility.

Itron Incorporated | Internship | Liberty Lake, WA

June-September, 2012 & 2013

- Developed proof of concept for web-based test framework using Python and Web2Py web apps on a Raspberry Pi platform.
- Improved debugging skills by writing Python firmware in Linux, Windows, and OSX environments.
- Delivered multiple group presentations communicating visualization of user experiences of test systems.
- Refined strong written and verbal communication skills by working with hardware test engineering teams and managers.
- Wrote design of experiment for product improvements that were implemented in Itron's products.
- Wrote engineering change orders that were implemented in Itron's manufacturing process.

Eastern Washington University | Physics Tutor | Cheney, WA

September-June, 2010 – 2012

- Adapted verbal and visual communication in teaching general physics concepts in open physics lab to individuals and groups of 2-8 students.

## Projects

C# Game

- Led a team of four developers design and develop a 2D game in C# on Visual Studio that heavily utilized design patterns.
- Learned and used GIT in command line and Visual Studio.

Refworks Learning Service Project

- Led a team of five developing/presenting a set of technical instructions to a freshman class of students.

Wireless Power Transfer System

- Gained 6 months experience in product development by managing and working with a group of 7 electrical engineers for two quarters designing a system that transfers wireless power.
- Improved strong attention to detail and technical problem-solving skills by researching electromagnetism and antenna theory and realizing a hardware system based on that research.

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## Volunteer & Extracurricular Activities

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Member of Innovation Collective	January 2015 - Present
Event Marketing Volunteer   Startup Weekend Spokane 7	June 2015
Attended Startup Weekend Spokane 6	November 7-9, 2014
Developed Games using Unity at SpoCode Gamerhack	September 17-18, 2014
<a href="#">Participated in Panel of five students at International IEEE Conference</a>	July 17, 2014
Childrens Ministry Leader at Calvary Spokane	December 2015 - Present
Middle School Leader at Calvary Spokane	June 2012 – June 2014
<ul style="list-style-type: none"><li>• Taught Biblical principles to a group of 6-13 young men weekly.</li><li>• Occasionally taught the entire Middle School group (40-60 students).</li></ul>	

## Awards/Honors

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|--|---|
| <ul style="list-style-type: none"><li>• Presidential Scholarship (x4)</li><li>• Leroy Nosbaum Scholarship (x2)</li></ul> | <ul style="list-style-type: none"><li>• PES Opportunity Scholarship (x2)</li><li>• Buick Achievers Scholarship (x2)</li></ul> |
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