
JEFFREY K. WHISSEN

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Summary

Creative problem solver with a multi-talented background in software and embedded hardware development. Collaborative worker who has led, followed and supported teams providing both technical and business solutions in big business and startup environments.

Education

Bachelor of Science, Computer Engineering

June 2014

Maseeh College of Engineering at Portland State University

GPA 3.1

Experience

Software Developer, MCECS Bot Team

March 2013 to Present

- *Implemented reactive obstacle avoidance using multiple sensor data points*
- *Provided and maintained a control framework capable of including software applications from multiple teams*
- *Improved sonar controller logic to reduce polling times by up to 70%*

Event Organizer, Portland Startup Weekend

August 2013 to Present

- *Audio and video setup and monitoring for live streamed events*
- *Site logistics and WiFi support for 100+ person events*

Embedded Systems Engineer, Treelectriq

December 2013 - June 2014

- *Collaboratively built a lighting control circuit using less than 1mW*
- *Designed PCB layout and part list for an embedded device*
- *Created and maintained test cases*
- *Maintained timelines, team status reports, and other project management documents*
- *Provided clear technical documentation to help drive business decisions*
- *Reviewed external facing information releases for intellectual property concerns*

Undergraduate Intern, Intel Corporation

April 2012 - September 2013

- *Condensed 10+ testing scripts of various languages into one single script*
- *Built a SQL backend to allow for proper storage and reporting on test data*
- *Designed web implementation of third party content management software using HTML, JQuery and BeanShell*

Data Analyst, First Transit

June 2005 - April 2012

- *Trained multiple brokerages across Oregon on internal software use*
- *Created XML based reports on a SQL backend for interdepartmental use*
- *Processed invoices and handled financial records*

Hobbies and Interests

- Adventurous Cook
- Avid Reader
- Custom PC Builder
- Strategy Gamer

Skills

Programming: Arduino, C/C++/C#, Perl, Python, Verilog

Assembly: ARM, PIC, X86

Databases: MongoDB, MS SQL Server, MySQL

Web: ASP.NET, BeanShell, HTML, JQuery, JavaScript

OS: Ubuntu, Red Hat, openSUSE, DOS V2-V6, Windows 3.1 - Server 2012

Microsoft Office: Access, Excel, Word, PowerPoint, Project, SharePoint