<http://jwhissen.solkor.us/> ● Tigard, Oregon ● (971) 344-0844 ● [jwhissen@gmail.com](mailto:jwhissen@gmail.com)

**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:  Assembly:  Databases:  Web:  OS:  Microsoft Office: | *Arduino, C/C++/C#, Perl, Python, Verilog*  *ARM, PIC, X86*  *MongoDB, MS SQL Server, MySQL*  *ASP.NET, BeanShell, HTML, JQuery, JavaScript*  *Ubuntu, Red Hat, openSUSE, DOS V2-V6, Windows 3.1 - Server 2012*  *Access, Excel, Word, PowerPoint, Project, SharePoint* |