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| **Justin Carr** | | | |
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| **EDUCATION** | | | |
| **Master of Science in Computer Science**  Oregon State University  GPA: 3.34 | | **June 2013** | |
| **Bachelor of Arts in Philosophy, Minor in Computer Science**  Willamette University  GPA: 3.6 | | **May 2010** | |
| **SELECTED PROJECTS** | | | |
| **Master’s Degree Project: Mobile Virtual Reality Navigation** | | **Fall 2012 - Winter 2013** | |
| * Prototype application maps real-space mobile device motion to virtual-space camera motion. * Investigates and discusses the feasibility of creating Virtual Reality applications on the current generation of mobile computing platforms without additional custom hardware. * Demonstrates the strengths and weaknesses of dead-reckoning navigation and characterizes its performance as the basis for robust, mobile, Virtual Reality applications in future studies. | | | |
| **Jsite Heroku App** | | **Fall 2013** | |
| * Developed and deployed a custom web application in under a week using Clojure, a functional programming language. * Fully-featured pages are calculated by a function that maps http requests to responses, where the response is defined as a combination of html, css and javascript elements. | | | |
| **HealthTrack Interface Sprites** | | | **Winter 2012** |
| * Designed and tested POV-Ray ray-tracing scripts to create stylized models and images for Oregon State University’s HealthTrack mobile medical adherence study. * Implemented and managed an iterative design-feedback workflow where art-asset source code was delivered via distributed git repositories and feedback was given via in-person meetings. | | | |
| **WORK EXPERIENCE** | | | |
| **Puppet Labs Engineering Intern** | **Summer 2013** | | |
| * Expanded the Puppet Enterprise/PuppetDB version-checking system to include a product-usage telemetry pipeline. * Created a unit-testing suite to validate changes to the version-checking system's source code. * Implemented a proof-of-concept dashboard to allow employees to see Puppet-usage data around the Puppet Labs office. | | | |
| **Business Solutions Group (BSG) Student Intern** | **Spring 2011 – Spring 2013** | | |
| System Analyst Responsibilities: | | | |
| * Analyzed and streamlined University Honors College business processes for replication in Salesforce. * Architected Salesforce Object schema to handle simplified Honors College data model. * Designed custom lookup table system to supplement Salesforce relationship features. | | | |
| Developer Responsibilities: | | | |
| * Wrote custom Apex scripts to format Access and Oracle data for Salesforce. * Delivered SSIS packages and automated package execution plan for transferring data from Oracle and Access databases to Salesforce. * Created and tested a custom Salesforce user interface. | | | |
| **SKILLS** | | | |
| Tools: Git, Emacs, Leiningen, XCode, Visual Studio 2010, TFS, Android Developer Toolkit, PhoneGap  Languages: Clojure, Bash, Objective-C, Java, C++, SQL, Haskell, HTML, CSS | | | |