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| **Justin Carr** | |
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| *Education* | |
| **Master of Science in Computer Science - Oregon State University**  GPA: 3.34 | Winter 2013 |
| **Bachelor of Arts in Philosophy, minor in Computer Science - Willamette University**  GPA: 3.6 | Spring 2010 |
| *Selected Projects* | |
| **Master’s Degree Project: Mobile Virtual Reality Navigation**   * Prototype application maps real-space mobile device motion to virtual-space camera motion. * Investigates and discusses the feasibility of creating simple 3D input devices from mobile computing platforms without additional custom hardware. * Analyzes and characterizes the performance of dead-reckoning navigation as a solution for robust, mobile, real-space navigation for future study. | Spring 2012 |
| **HealthTrack Interface Sprites**   * Designed and tested POV-Ray ray-tracing scripts to create stylized models and images for Oregon State University’s HealthTrack mobile medical adherence study. * Created and maintained an iterative design-feedback workflow where models were delivered via distributed git repositories and feedback was given via in-person meetings. | Winter 2012 |
| **3D Flow Visualization**   * Visualizes simulated flow data by rendering a 3d array of customizable vector glyphs. * Explores flow data interactively by allowing the user to filter, pan and zoom through the visualization. | Winter 2011 |
| *Work Experience* | |
| **Puppet Labs Engineering Intern**   * 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. | Summer 2013 |
| **Business Solutions Group (BSG) Student Intern**  System Analyst   * Analyzed and simplified 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   * 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. | Spring 2011 |
| *Skills* | |
| Tools: Git, Emacs, Leiningen, XCode, Visual Studio 2010, TFS  Languages: Clojure, C++, Objective-C, Bash, SQL, Haskell, HTML, CSS | |