

Justin Carr

jhcarr.herokuapp.com || justin.h.carr@gmail.com || (360) 907 – 2530 || 9100 NE 30th Ave, Vancouver WA

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