



Matthew Crider

Software developer with 8+ years of professional experience in a variety of environments. Particularly interested in creating usable interfaces and compelling experiences on the web.

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Experience

Wall-to-Wall Studios

December 2012 - Present

Developer

Honolulu, HI

- Implemented Wall-to-Wall's custom designed web products in Ruby-On-Rails, PHP, and a variety of front-end technologies.
- Maintained and added features to an in-house Rails-based CMS.
- Created wireframes, prototypes, site maps, and audits for web sites to kick off the development process.
- Worked with talented designers, project managers, and developers to build great products in a collaborative environment.
- Operated at all levels of the web technology stack from front-end development with Compass+Sass and Slim/Haml templating (often using Zurb Foundation or Bootstrap to ease responsive development); To Ruby On Rails and PHP frameworks on the backend; To deployment and maintenance of AWS and Digital Ocean servers.

Public Knowledge Project

May 2008 - December 2012

Developer

Vancouver, BC

- Developed software (primarily PHP/JS/CSS) for the PKPs suite of open source academic publishing software.
- Found and fixed bugs as well as planned and implemented new features for the software. Provided support to end-users and clients.
- Created estimates and implemented software customizations for clients.
- Conducted workshops to teach users and developers how to work with our software.
- Helped ensure smooth operation of hosted LAMP software.

Simon Fraser University Library

Developer

July 2010 - June 2012

Vancouver, BC

- Performed web development tasks for two Inter-library projects.
- Created an interactive database search tool (using JS and ContentDM APIs) for the CHRP's Head Tax Database.
- Developed Drupal modules for SFU Library's Komagata Maru project.

GrUVi

Researcher/Developer

September 2006 - May 2008

Vancouver, BC

- Developed several applications involving visualization of data for general analysis or medical imagery (C++/Qt).
- Researched and implemented a mixing board as a novel interaction technique with visualization software (Java).
- Performed formal and informal usability studies.
- Authored two research papers, one presented by myself at Graphics Interface conference (2007); the other paper is available online.
- Constructed a web site for the VGTC (vgtc.org), involving a radical modification of WordPress MU to support a community of researchers in a new approach to interacting with current research.

Education

Simon Fraser University

Bachelor of Arts in Cognitive Science

2010

Vancouver, BC

- Studied a range of varied yet interrelated subjects in the disciplines of Computer Science, Psychology, Linguistics, Philosophy, and Humanities.
- Key Areas Of Study: Software engineering, Data Structures, Artificial Intelligence, Computational Linguistics, Human-Computer Interaction and Usability (Theory and analysis), Statistics, Neurology, Psychology Research Techniques, Logic, Modern Thought in Philosophy and the Humanities.

Publications

A mixing board interface for graphics and visualization applications

Graphics Interface 2007

Mixing Board Versus Mouse Interaction In Value Adjustment Tasks

ArXiv pre-print, 2011

Personal Projects

Azimuth

Created an open source CMS using Meteor.js. This is the first and really the only CMS for the Meteor.js framework.

Flapcast

A cloud-based podcast client, with social sharing features. Written with CodeIgniter and Backbone.js.

Can'tada

A web site detailing all of the services not available in Canada. Made it to the top of Hacker News (twice!) and got me an interview on CBC radio.