Ben Church

Banff, Alberta, Canada
http://benchurch.me
www.github.com/bechurch

Skills

- **Languages:** English (native), Mandarin (Intermediate)
- **Programming Languages**: Python, JavaScript (frontend & node), CoffeeScript, SASS, Objective-C, C, Java, ARM Assembly
- **Frameworks**: Django, Express, PhoneGap, iOS SDK, Bootstrap, jQuery
- **Web Technologies**: JavaScript, CSS3, HTML5, XML/JSON
- **Applications**: Git, JIRA, Gerrit, Jenkins, Trello, Adobe Photoshop, GIMP, QTCreator
- **Operating Systems**: Linux (Ubuntu), Mac OSX, Windows, iOS, Android
- **Databases**: MySQL, PostgreSQL, MongoDB

Education

University of Victoria, Victoria BC – B.Sc., Computer Science
September 2010 - May 2015

- Specialization in Software Engineering and Human Computer Interaction
- Work Experience Certified

Rotary Youth Exchange, Hualien, Taiwan
August 2008 - February 2009

- Attended Hi-Sheen Secondary School for 7 months studying a variety of classes taught in mandarin

Relevant Experience

Software Engineer, Socoloco; Victoria, BC
August 2013 - May 2015

- At Socoloco I was a member of a highly talented team developing software solutions for an international market. I was adept at translating challenging and ever changing business requirements into usable software products.
- Implemented a complex and modular review system for their ecommerce site diggit.ca
- Designed and created an automated test system for the companies various web products
- Coordinated the design, revisions and release of two mobile applications on Android and iOS for the Diggit brand
- http://www.begiving.ca, http://www.gobid.ca, http://www.diggit.ca, http://www.usedhelps.com
- Technologies Used: Django, Python, CoffeeScript, JavaScript, PostgreSQL, SASS, Bootstrap, Git, Jira, Jenkins, Gerrit

Web developer, Code-Rite Data Integrity Solutions; Calgary, AB
May 2012 - December 2012

- Designed and implemented modifications to the companies web services using HTML, CSS, and asp.net
- Created and executed testing procedures for the company's main product.
- http://www.code-rite.com

Quality Assurance Engineer, Skype; North America
Summer 2012
- Performed self directed quality assurance tests for future releases of the Skype messaging client
- Worked with an international team to identify numerous issues with alpha and beta products

Web Designer / Online Marketing Strategist, Ghana Futures; Victoria BC
November 2011 - September 2012
- Visually designed and developed consumer-facing website for the company.
- Designed and executed a number of online and offline marketing strategies for the company's events.
- Created and managed the entirety of their social media presence across Pinterest, Twitter, and Facebook.
- http://www.ghana-futures.org

Other Experience

Interpretive Guide / Vessel Operator, Banff Lake Cruise; Banff AB
May 2010 - August 2014
- Maintained the mechanical equipment of large, 60 passenger water vessels.
- Provided hour long curated interpretive tours for large international groups.
- Safely navigated passenger carrying vessels through large waterways

Sales Associate, Unlimited Skate & Snow; Banff AB
December 2007 - August 2008
- Implemented in-store advertising and Interacted effectively with prospective customers to sell various outerwear and equipment.

Notable Projects

ThisThat (Development on going)
Objective-C, Javascript, PostgreSQL
- Currently building a social media application for iOS that allows for personal A/B testing.
- API Built using the Express framework and ES6 Javascript.

Local (local-app.co)
Objective-C, Javascript, PostgreSQL
- Currently building a RESTFUL api service that runs on the node based web framework Express to serve a location based travel application on iOS devices.

Ray Tracer (github.com/bechurch/RayTracer)
Python
- A ray tracer written in Python used to demonstrate the phong illumination model, reflection and refraction lighting techniques.

Sun Watch (bechurch.me/SunWatch)
JavaScript, PhoneGap
- Informs a user of how much sunlight is left in their day using html5's geolocation features
- built with javascript and deployed to various mobile devices using phonegap

Thoughts (github.com/bechurch/thoughts)

Meteor, Javascript, MongoDB

- A web application that leverages meteor.js to create real time communications between users anonymously.
- thoughts.meteor.com

Google Places API Scraper (github.com/bechurch/474project)
Python, SQL Alchemy, PostgreSQL

- Scrapped Google Places with the intention of gathering enough data to create a classifier that would predict the operating hours of a business
- found over 10,000,000 unique data points over 18 days which allowed for a prediction rate of 80.7% using the J48 algorithm

References

Available upon request