

Zachary Verbeck

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EDUCATION

UNIVERSITY OF WASHINGTON INFORMATICS

Expected June 2015 | Seattle, WA

LINKS

Github:// [zachverb](#)

LinkedIn:// [zachary-verbeck](#)

SKILLS

LANGUAGES & TOOLS

Proficient:

Java • Shell • JavaScript • Rails
HTML5/CSS • PHP • LISP (Racket)
Android • C • Node.js • Express.js

Ruby

Familiar:

C++ • Python • Mongo • MySQL
PostgreSQL • SQL Server • C#
Linux • AWS • Git • Heroku • .NET

COURSEWORK

Mobile App Design
Functional Programming
Advanced Databases
Data Structures & Algorithms
Web Programming
Project Management
Data Migration
Information Ethics & Policy
Programming Concepts & Tools

EXPERIENCE

TYEMILL | SOFTWARE ENGINEERING INTERN

June 2014 – Sep 2014 | Seattle, WA

- Worked as a developer on a team of five interns to develop and design an application that displays economic data by geography
- Designed and developed a Ruby on Rails application that utilized Google Maps API, Highcharts and jQuery Mobile
- Led the development of the mobile version of the website

CONNEX SOLUTIONS | DATA ENGINEER

April 2014 – June 2014 | Seattle, WA

- Designed and created data models and data flows for the data migration of a corporate CRM system
- Led a team of 3; assigned and tracked work
- Developed a .NET application that moves data from a legacy database system to Microsoft Dynamics CRM

PROJECTS

LOOP SPACE | COLLABORATIVE MUSIC APPLICATION

January 2015-June 2015 | Informatics Capstone

Currently creating a Cloud-Based Android application that will allow for cross-device audio collaboration. Utilizes a Node.js server for the REST API hosted on Heroku and hooked up to AWS with PostgreSQL for real-time audio transfer.

SPACE GLOVE | PROOF OF CONCEPT SPACE GLOVE

April 2015 | Space Apps

Developed an Android Application paired with a Bootstrap interface to fulfill the Nasa sponsored Space Apps challenge, Space Glove. Ended up winning Space Apps Seattle and advanced to the global finals.

OSCL8R | LEAP MOTION WEB SYNTHESIZER

October 2014 | Dubhacks

Lead developer of oscl8r, a Leap Motion Synthesizer that plays notes based on the location of your hands. Each hand connects to a different synthesizer, the left hand being tritones and the right being arpeggios. Movement of your hand alters the pitch and cutoff frequency.

THOUGHTLINK | GLOBAL CLASSROOM PLATFORM

October 2014 | Startup Weekend EDU

Prototyped an online platform that would allow International Baccalaureate students from separate schools to communicate and discuss their coursework.

ARP+ WEB SYNTHESIZER | HTML5 SYNTHESIZER

Jan 2014

Created an HTML5 Synthesizer based on design of Korg Kaossilator. Used the Webkit Audio API for Chrome to create a synthesizer. The app plays arpeggios based on the location of the user's mouse.

AWARDS

2015 Space Apps: Global Nominee
2014 Dubhacks: Best use of Leap Motion,