

Zachary Verbeck

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EDUCATION

UNIVERSITY OF WASHINGTON

INFORMATICS: HUMAN COMPUTER
INTERACTION

Expected June 2015 | Seattle, WA

LINKS

Github:// [zachverb](#)

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

COURSEWORK

Artificial Intelligence
Functional Programming
Advanced Databases
Data Structures & Algorithms
Web Programming
Project Management
Data Migration
Information Ethics & Policy
Programming Concepts & Tools

SKILLS

PROGRAMMING & TOOLS

Over 1000 lines:

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

Familiar:

C++ • Python • Mongo
Linux • AWS • Git • Heroku

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 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 on Heroku for the REST API hooked up to AWS with PostgreSQL for real time audio transfer.

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 x and y coordinates of the user's mouse.

AWARDS

2014 Best use of Leap Motion, Dubhacks