

Zachary Verbeck

<http://zachverb.co>
zgv@uw.edu | 206.313.9989

EDUCATION

UNIVERSITY OF WASHINGTON

B.S. INFORMATICS
June 2015 | Seattle, WA

LINKS

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

SKILLS

LANGUAGES & TOOLS

Proficient:

Java • Shell • JavaScript • Rails
HTML5/CSS • PHP • Git
Android • Node.js • Express.js
Ruby • ES6 • React • Flux

Familiar:

C • C++ • Mongo • MySQL
PostgreSQL • SQL Server • C#
Linux • AWS • Heroku • .NET
LISP (Racket) • Docker

COURSEWORK

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

AWARDS

Space Apps: Global Nominee
Dubhacks: Best use of Leap Motion
Dean's List: Senior Year

EXPERIENCE

TUNE | SOFTWARE ENGINEERING INTERN

June 2015 – September 2015 | Seattle, WA

- Created applications using React coupled with Flux Architecture
- Used Node.js with Express to interface with a SQLite Database and access the Tune API
- Tested the Node server using Jasmine
- Deployed using Docker Containers on Jenkins

TYEMILL | SOFTWARE ENGINEERING INTERN

June 2014 – September 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 utilizes 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

Designed and developed an Android application for Cloud-Based audio collaboration through short audio loops. Created a REST API using Express on Node.js hosted on AWS EC2 with a PostgreSQL database, as well as AWS S3 for audio storage. Uses Nginx for reverse proxying and load-balancing. Currently in the process of refining the app before pushing a beta to the app store.

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.

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.