

# Alex Larsen

## Software Engineer

Currently seeking a part-time software engineering position or internship.

### VOLUNTEER EXPERIENCE

#### *UVU Software Development Club / President (uvudevclub.org)*

December 2018 - Present, Orem, UT

- Coordination of hackathons and presentations on campus
- Presenter on Javascript, version control, and application security

### EXPERIENCE

#### *Legrand USA / Software Engineering Intern (legrand.us)*

April 2019 - Present, Orem, UT

- Created abstractions around IoT devices
- Developed software to parse custom internal networking protocol payloads
- Windows application development in C#

#### *Utah Valley University / Part-Time Software Engineer (uvu.edu)*

December 2018 - Present, Orem, UT

- Web Application Development

#### *Bluehost / Quality Engineer (bluehost.com)*

March 2017 - August 2018, Provo, UT

- Tested and deployed software to clustered production systems
- Developed utility script to manage merges across many git repositories/branches
- Created automated test scripts with Watir, Selenium-Webdriver, and Rspec

#### *The Church of Jesus Christ of Latter Day Saints / Full Time Volunteer*

January 2015 - January 2017, Morristown, NJ

- Migrated legacy map software data to cloud infrastructure
- Worked 60+ hour weeks presenting curriculum, volunteering in community service, mentoring junior colleagues, and leading groups of 6-8 volunteers

#### *Techcye / Software Engineer (techcye.com)*

June 2014 - December 2014, Orem, UT

- Developed UI and database interactions (web application in Ruby on Rails)
- Read data from internal machine learning software and displayed to user
- Designed and implemented schema migrations for relational database tables

#### *Discovery Space Center / Web Application Developer (discoveryspacecenter.com)*

January 2014 - June 2014, Pleasant Grove, UT

- Designed and programmed internal web application to track repeat customers

### PREVIOUS INTERNSHIPS

#### *Morinda Inc. / Web Development Intern (morinda.com)*

#### *BetterLinux / Web Development Intern*

Summer 2012 & 2013

- Website Maintenance and Development in HTML, JavaScript, CSS, and Perl

### EDUCATION

#### *Utah Valley University*

August 2018 - Present Orem, UT

- Pursuing Bachelor of Science Computer Engineering

github.com/alex0112

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### SKILLS

Ruby, Ruby on Rails, Git, ReactJS, NodeJS, Agile/Scrum, TDD/BDD, RSpec, HTML, CSS, Bootstrap, Javascript, REST, APIs, Redis, ActiveRecord, MySQL, Python, Perl, Linux, Visual Studio, C#

### PERSONAL PROJECTS

#### **Yggdrasil**

Web application: accepts a Wikipedia URI and creates a visual graph of referenced articles. Rails 5 API and ReactJS front-end client. (wiki-tree.herokuapp.com)

#### **Wiki-Yggdrasil**

Ruby Gem: Scrapes wikipedia articles and recursively generates a tree of all child articles (github.com/alex0112/wiki-yggdrasil)

#### **Haversack**

Ruby Gem: object-oriented abstraction of a knapsack (github.com/alex0112/haversack)

#### **Infocoin**

Ruby Gem: Calculate cryptocurrency gains and losses using the coinbase API (github.com/alex0112/infocoin)

#### **Mappy**

Perl Script: translates Delorme Street Atlas+ files into KML for use in Google Maps (github.com/alex0112/mappy)