

# ALEX LARSEN

## SOFTWARE ENGINEER

### EXPERIENCE

#### Security Engineering Intern | Podium

3 Months (Summer 2020) | *podium.com*

June 2020 - August 2020

- Designed and developed novel GraphQL penetration testing tool
- Assisted with security audits using Burpsuite

#### Software Engineering Intern | Legrand US

1.2 years (full & part-time) | *legrand.us*

April 2019 - June 2020

- Implemented byte level custom networking protocols
- Developed crucial intercommunicative abilities between two products

#### Software Engineer | Utah Valley University

1.5 years (part-time) | *uvu.edu*

December 2018 - May 2020

- Instigated and led meetings with business team to define requirements
- Trained junior colleagues
- Worked with head of software engineering program at university

#### Quality Engineer | Bluehost

1.4 years | *bluehost.com*

March 2017 - August 2018

- Tested and deployed customer facing software to clustered production systems
- Developed utility script to sync git branches across many repositories and servers

#### Software Engineer | Techcye

6 months | *techcye.org*

June 2014 - December 2014

- Developed user interface for machine learning application
- Created web based reporting system for medical professionals

#### Web Application Developer | Discovery Space Center

6 months (part time) | *discoveryspacecenter.com*

January 2014 - June 2014

- Designed and developed web application to track repeat customers via QR codes

#### Web Development Intern | Morinda Inc.

3 months (Summer 2013) *morinda.com*

- Maintained customer facing website

#### Web Development Intern | BetterLinux

3 months (Summer 2012) | *betterlinux.com*

- Contributed to data visualization application

### CONTACT

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github.com/alex0112

### SKILLS

#### Languages

Ruby, Node, Python, HTML, CSS, Perl, Elixir, C#, Lisp

#### Frameworks & Systems

React, RSpec, ExUnit, WinForms, DevExpress, Ruby on Rails, GraphQL, Bootstrap, jQuery, GraphQL

#### Database Technology

MySQL, PostgreSQL, SQLite, ActiveRecord

#### Methods:

Agile/Scrum, TDD, BDD

#### Tools:

Git, GitHub, GitLab, Subversion, CVS, TFS, Linux (Debian, Ubuntu, Fedora, Manjaro), Heroku, AWS, FreeBSD, MacOS, Windows, Visual Studio, Emacs, Vim, Bash, Zsh,

#### Security:

Wireshark, Burpsuite, Nmap

### VOLUNTEER WORK

#### President (*uvudevclub.org*)

UVU Dev Club | December 2018 - Present

- Coordinated hackathons and presentations on campus
- Presented on Javascript, version control, and application security

#### Full Time Volunteer

The Church of Jesus Christ of Latter Day Saints | 2015 - 2017

- 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

### EDUCATION

August 2018 - Present

Pursuing Bachelor of Science in Computer Engineering

#### Notable Grades:

Object Oriented Programming: A

Computer Networks I: A-

Computer Organization and Architecture: B+