

# J Haigh

## TECHNICAL SKILLS

Programming Skills  
Tools

: Rust, Haskell, C++, SQL, PHP  
: Git, Splunk, Sumologic, Travis CI, Jenkins, Docker,  
Kubernetes, WebSphere, Tomcat  
: Postgres, MySQL, Softerra LDAP Admin

Databases

## EDUCATION

**Recurse Center**

**Winter 2018**

- Self-directed learning in Rust & Haskell

**University of Colorado Denver**

**Spring 2017**

- Computer Science B.S.

GPA: 3.75/4

## WORK EXPERIENCE

**Rust Developer**

**SearchSpring**

**May 2018 - Oct. 2018**

- Rust Application — Developed new features to aggregate shopping platform data in existing Rust application
- Optimized new application to perform 25x faster than the legacy PHP code
- Setup monitoring & alerts for application errors increasing uptime
- Deployed services to Kubernetes cluster hosted on Google Cloud

**Freelance Software Engineer**

**Derrick Blanton 2020**

**Nov. 2017 - Mar. 2018**

- Haskell Application — Developed a web crawler to parse Colorado Senate & House Bills information & wrote it out to a CSV file to make the information easily accessible

**Freelance Software Engineer**

**School Board Campaign**

**Oct. 2017 - Nov. 2017**

- Rust CLI Application — Parsed Facebook friends from an html file & compared to a CSV file with voters to return a list of friends that hadn't voted yet

**Freelance Software Engineer**

**Clean Slate Now**

**Apr. 2017 - June 2017**

- Developed a platform to make Colorado politics more transparent
- More than 30,000 people determined elections based on knowledge of use of special interest money in campaigns as a direct outcome of this platform

**Software Engineer Intern**

**Vantiv**

**Nov. 2015 - Dec. 2016**

- Simulated an upgrade of ForgeRock OpenAM 11.0.0 to 11.0.3 with all supporting software & configuration on a development sandbox using VirtualBox with Ubuntu
- Automated RedHat server application testing with Expect & Crontab scripts
- Debugged application by analyzing terabytes of logs using Splunk
- Integrated software using Jenkins & deployed rollouts using WebSphere & Tomcat

## COMMUNITY ENGAGEMENT

**Haskell Book Club Facilitator**

**Aug. 2017 - Sept. 2018**

- Organized Denver's Haskell Book Club to teach Haskell to developers of all experience levels by working through the exercises in "Haskell Programming from First Principles"
- Created an online iteration for developers to meet virtually once a week to get immediate help on questions in a comfortable environment

**DenverFP Co-Organizer**

**Aug. 2017 - Present**

- Identified potential speakers, event sponsors, & accessible locations to hold events on functional programming topics

**Boulder/Denver Rust Meetup Co-Organizer**

**June 2018 - Present**

- Identified potential speakers, event sponsors & accessible locations to hold events for Rust

## PUBLIC SPEAKING

*Seriously, the Haskell Type Checker is Your Friend: a Pragmatic Approach to Working with GHC Errors* — LambdaConf 2018

*Rust in Production: Verbose vs Composable* — Boulder Rust Meetup June 2018

*Bound for Greatness: RankNTypes* — Boulder Haskell Meetup August 2018

*Cryptographic Megalomaniacs: Lessons Learned From my First PR on Dalek* — Denver Rust Meetup December 2018