

# J Haigh

## TECHNICAL SKILLS

Programming Skills	: Haskell, C, C++, Rust, Java, SQL, PHP, Python
Tools	: Git, Splunk, Jenkins, Travis CI, WebSphere, Tomcat
Databases	: MySQL, Softerra LDAP Admin

## WORK EXPERIENCE

**Freelance Software Engineer**      **Derrick Blanton 2020**      **Nov. 2017 - Present**

- Haskell Application — Developing a web crawler to parse Colorado Senate & House Bills information and writing it out to a CSV file to make the information more easily accessible

**Freelance Software Engineer**      **School Board Campaign**      **Oct. 2017 - Nov. 2017**

- Rust CLI Application — Parsed Facebook friends from an html file and 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 using PHP and SQL
- More than 30,000 people will determine elections based on special interest money used 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 and configuration on a development sandbox using VirtualBox with Ubuntu
- Automated RedHat server application testing with Expect and Crontab scripts
- Debugged application by analyzing terabytes of logs using Splunk
- Integrated software using Jenkins
- Deployed rollouts using WebSphere and Tomcat

## EDUCATION

**University of Colorado Denver**      **Spring 2017**  
- Computer Science B.S.      GPA: 3.75/4

**Senior Design**      **Fall 2016 - Spring 2017**

- 1st place CS Project Award Fall 2016 out of 10 other competing projects — Developed bicycle safety mobile app and admin webpage for a client with focus on SQL database to store users, comments, and reported issues and product documentation

**Embedded Systems**      **Spring 2016**

- Implemented image recognition and ultrasonic obstacle detection via Arduino for a drone

**Operating Systems**      **Summer 2015**

- Created a shell, implemented theoretical system scheduling algorithms with calculations, implemented theoretical page replacement algorithms with calculations output in C/C++

**Database Systems**      **Spring 2015**

- Developed a 3rd normal form database based off of a 3 schema design and ER diagram using MySQL, SQL, CSS, HTML, and PHP

## COMMUNITY ENGAGEMENT

**DenverFP Co-Organizer**      **Aug. 2017 - Present**

- Created Denver's Haskell Book Club to teach Haskell to developers of all experience levels
- Identified event sponsors and locations to host events on functional programming