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# 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 used in
  campaigns as a direct outcome of this platform

**Software Engineer Intern**          **Vantiv**                      **Nov. 2015 - Dec. 2016**
• Completed ForgeRock training on Access Management
• Simulated an upgrade of ForgeRock OpenAM 11.0.0 to 11.0.3 with all supporting soft-
  ware 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
• Managed single sign-on services for clients

## 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 bicy-
  cle 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

**ACM Officer**                                                     **Spring 2017**
• Focused on bringing in new speakers for tech talks, hosting various tech events for students
  to gain skills they otherwise wouldn't in class, and promoting these events in classrooms