Josh T. Cooper

(801) 830-1745 joshcooper537@gmail.com

EDUCATION

Brigham Young University Provo, UT

Bachelor of Science, Computer Science Expected Graduation: Dec 2019

- Minor, *Business Management*
- Minor, *Mathematics*
- GPA 3.7, ACT 33/36
- *Club Memberships*: BYU Developers Club
- Relevant coursework: Distributed Systems, Blockchain, Security, Machine Learning, Web Programming

Technology Summary

Java, Spring, React, JavaScript, Python, Kafka, Solr, Docker, Git, Maven, MongoDB, OpenShift, MySQL, C++, C, OpenShift, Java EE, Go, AngularJS, HTML, CSS, JQuery, Node.js, AWS

EXPERIENCE

Brigham Young University – Harold B. Lee Library Provo, UT

Computer Programmer May 2018 – Present

- Developed an autocomplete feature for the library's primary search bar, using a high-throughput database model with Solr and an average response time of 30-50 milliseconds
- Upgraded a critical system component to use Kafka for real-time data processing, improving system architecture and scalability
- Created a web analytics reporting application for administrative use in identifying key metrics and resource usage
- Deployed servlet applications written with the Java EE and Spring frameworks using a continuous deployment pipeline with Docker containers on Gitlab and Openshift
- Built a React web application for users to upload images to a database, improving usability and record integrity
- Constructed Solr queries dynamically using Solr's date math and facet APIs, running queries that were thousands of lines in length

Best Dating App LLC Provo, UT

Developer Intern Mar 2018 – May 2018

- Developed a startup social app to connect people together using a patent-pending methodology
- Migrated backend servers from PHP to Go, increasing efficiency by reducing program bulkiness
- Wrote MySQL database queries in Go for a RESTful API

Zions Bank Draper, UT

Business Banking Intern Jun 2017 – Aug 2017

- Created user-friendly Excel spreadsheets to quickly format and sort 100s of system reports using Excel forms created in VBA, enhancing readability and allowing loan officers to easily locate customer relationships
- Reduced documentation errors by 90% and overdue loan covenants by 50%, bringing loan officers' paperwork into compliance with federal laws and company policies
- Met with clients and analyzed tax returns using Taxanalysis, gaining experience working on high-value relationships

Utah Community Credit Union Lehi, UT

Loan Officer / Member Service Representative Jan 2016 – May 2017

- Mitigated hostile situations using communication skills to maintain or rebuild positive relationships with customers
- Cross-sold to customers by gauging which products best fit their needs, meeting a $425,000 monthly team disbursement goal in installment loans and lines of credit
- Assessed loan applicants for credit worthiness by evaluating their debt profiles and risk factors

SKILLS & INTERESTS

- *Eagle Scout*, Boy Scouts of America
- Interests: mountain biking, Jazz basketball, songwriting, synthesizers, piano, performing in a rock band