

BRANDON JORGENSEN

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EDUCATION

Brigham Young University
B.S. Computer Science

Sep 2015 - Dec 2021
GPA: 3.82

WORK EXPERIENCE

Instructure

Software Developer Intern

May 2021 - Aug 2021

- Planned, developed, documented, and deployed an API and frontend that receives and forwards thousands of emails a day
- Wrote the API in Golang and secured it with an Okta OAuth 2.0 integration, developed with Docker, and deployed with AWS Load Balancer Controller and Kubernetes
- Migrated an application from an internal deployment system to Jenkins

FamilySearch

Software Developer Intern

May 2020 - April 2021

- Designed and ran Apache Spark programs on AWS EMR and analyzed over one billion records
- Built automated dashboards using Splunk Summary Indexes in order to quickly view system load and trends over long periods of time
- Formulated Splunk queries to investigate logs and fix 5XX errors

BYU Kennedy Center

Web Developer

Apr 2019 - Dec 2019

- Documented and decreased the size of dozens of PHP and Javascript files to increase maintainability
- Coordinated with external organizations to test and update two Javascript APIs

Spring Creek Elementary

After School Coding Instructor

Jan 2019 - Mar 2019

- Prepared and taught Code.org lessons twice a week to 4th-6th graders
- Consulted weekly with supervisor and online resources to improve teaching methods

SKILLS

Languages (Proficient): Java, Golang, SQL

Languages (Prior Experience): Python, C/C++, PHP, Javascript

Technologies: AWS, Docker, Kubernetes, Git, Apache Spark

PROJECTS

Rate My Professor Chrome Extension

- The extension dynamically modifies the DOM with Javascript to display BYU professor ratings with information from the RateMyProfessor API
- Distributed on the [Chrome Web Store](#) with a 5-star rating and over 3000 users