

Mason Force

Computer Science Student and Developer

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EDUCATION

Colorado State University, Honors Program, Fort Collins, CO

Graduation: 5/2020

Major: *Applied Computing Technology*

Cumulative GPA: 3.73

Academic Focus: *Full-stack Development, Web Development, Business*

- Studied abroad extensively throughout Spain, Peru, Italy and Germany
- Attained the CSU Dean's List, Spring 2017, Fall 2018, Spring 2019

SKILLS

- Proficient in the following development environments and languages: Java, C, C++, Python, Angular, React, PHP, HTML, CSS and JavaScript
- Experienced working with Git, GitHub, Docker, Splunk, MySQL, AJAX, Amazon Web Services (AWS), SCRUM framework and the Agile Development process
- Strong teamwork, communication, problem-solving skills and presentation skills

WORK EXPERIENCE

Associate Application Engineer Intern, Business Tech. Integration, Workday Inc. 5/2019 to 8/2019

- Visualized bulk data trends in Splunk by writing Python scripts to interface with Slack API
- Automated time-consuming Github deployment error-checking with Python script
- Developed Python framework to save money by optimizing AWS server utilization
- Created Javascript Outlook add-in to increase utilization of company decision-making framework

Web Developer Intern, Open Water Foundation

9/2018 to present

- Developed dynamic, online Javascript visualizations to make bulk water resource data understandable and display trends for more effective decision-making
- Trained new hires by generating technical documentation for training materials and records
- Made existing sites more dynamic by researching/incorporating new interactive features
- Accomplished complicated programming tasks with minimal direction or oversight

Podcast Coordinator, CSU Office of the Vice President for Research

8/2018 to 1/2019

- Conducted and edited interviews with researchers for university podcast
- Doubled number of listeners by developing advertisements and managing marketing strategies

PROJECTS

Splunk SNOWBOT Dashboard, Workday Inc.

6/2019 to 8/2019

- Created Python script to log service ticket data in Splunk by interfacing with SQL and custom API
- Designed visualizations to identify trends and anomalies with Splunk dashboard interface

Poudre Basin Dashboard, Open Water Foundation

2/2019 to 5/2019

- Designed web application to interpret and dynamically display water resource data
- Implemented configuration files to make application components simple to update and maintain

Hospital Data Analysis Web Application, CT310 Web Design

5/2019 to 8/2019

- Developed web application to analyze and display value-based purchasing data for hospitals
- Dynamically modeled government incentive payments based on hospital performance statistics from SQL database and user-defined scenarios

EXTRACURRICULAR ACTIVITIES

Senator at the Associated Students of Colorado State University (ASCSU)

2/2017 to 9/2017

- Represented College of Natural Science students, allocated thousands of student fee dollars

Reporter for the Rocky Mountain Collegian at Colorado State University

2/2017 to present

- Conducted interviews, compiled sources, wrote 20+ articles under strict publishing deadlines