

Mason Force

Computer Science Student and Developer

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EDUCATION

Colorado State University, Honors Program, Fort Collins, CO

Graduation: May 2020

Degree: *BS in Applied Computing Technology*

Cumulative GPA: 3.73

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

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

SKILLS

- Experienced with the following: **Python, Java, Javascript, HTML, CSS, Git, SCRUM, Agile Development, MySQL**
- Familiar with the following: **Angular, React, C, C++, PHP, Docker, Splunk, AWS, Elasticsearch**

WORK EXPERIENCE

Software Development Engineer Intern, Workday Inc.

5/2019 to 8/2019

- Visualized ServiceNow ticket data in Splunk by writing Python scripts to provide management with valuable insight into trends to make better-informed decisions
- Automated time-consuming Github deployment error-checking with Python script
- Developed Python tool to find optimal server configuration for tasks to lower AWS server costs
- Created plugin in Javascript to provide templates for appointments in Outlook, increasing utilization of company decision-making framework

Web Developer Intern, Open Water Foundation

9/2018 to 5/2019

- 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

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 8/2018

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

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