Justin B. Helfman

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SUMMARY

Motivated and results-driven software engineer experienced in establishing and improving code infrastructure. Well-versed in software development with many data science/ML side projects. Enthusiastic about continuous integration and delivery (CI/CD), cloud computing, and enabling people to succeed. **Relevant experience:**

Azure Fundamentals **(certification)** ● C ● Python ● Git/Gitlab ● PowerShell ● SQL ● HTML ● Terraform
Linux/Unix ● CI/CD ● AWS ● Google Cloud Platform ● Azure ● Tensorflow & PyTorch ● JavaScript

WORK EXPERIENCE

BarrelSense, Denver, CO — Lead DevOps Engineer   **February 2023 - Present**
Serving as a part-time startup contributor, leading efforts in cloud operations and DevOps
- Lead Azure cloud architecture planning. implementation and testing, for minimum viable product release

Alteryx, Broomfield, CO — Associate Site Reliability Engineer   **July 2022 - January 2023**
Oversaw cloud operations efforts, resolving urgent defects and system outages affecting customers
- Directed SRE into an agile-based workflow, resulting in 29 documented and completed epics in 3 months
- Orchestrated design of automated auditing tools for Security and Organizational Controls (SOC 2)

Alteryx, Broomfield, CO — DevOps Intern   **May - August 2021**
Built Amazon Machine Images (AMI) to expand data sources used with Alteryx Designer
- EC2 AMIs used in over 130,000 instances in GitLab pipelines over a 12-week period
- Built a framework to automatically audit AMIs and determine value based on accessibility and security

Eaton Corporation, Moon, PA— Software Engineering Intern   **January - April 2021**
Created remote scripts to interface with circuit breakers, testing for functionality and defects
- Architected automated firmware testing pipelines, allowing developers to focus solely on feature design

Eaton Corporation, Plymouth, MN— Software Engineering Intern   **June - August 2020**
Organized and delivered a continuous integration/continuous development tool using virtual machines
- Presented project summary, saving developers an estimated 2,000 hours per year

LEADERSHIP EXPERIENCE

Purdue University, West Lafayette, IN - Teaching Assistant   **January - May 2022**
Created coursework for students to gain experience in CI/CD topics using GitHub actions
- Course topics included CI/CD, IaaS, PaaS, FaaS, Python, NodeJs, UNIX, GIT, web design, and Fuzzing

Alpha Epsilon Pi, West Lafayette, IN— Recruitment Chair   **January 2019 - November 2020**
Orchestrated recruitment team, conducted recruiting planning and efforts
- Recruited a new member class, exceeding previous records by 35% in my first year
- Designed socially distant events during COVID increasing membership in my second year by 16%

EDUCATION

Purdue University, West Lafayette, IN   **August 2018 - May 2022**
- B.S. Computer Engineering   **GPA: 3.14/4.00**
- Entrepreneurship & Innovation Certificate

PROJECTS

NHL Score Prediction Neural Network   **December 2022**
- Designed a multilayer perceptron neural network that predicts NHL game outcomes

Digital Systems Design Project   **August - December 2021**
- Created an app to digitally record and display the results of a real chess game
- Worked with chess AI to aid player moves, and provide a variable-difficulty computer to compete against

SARS-CoV-2 (COVID-19) Analysis   **May - December 2020**
- Administered predictive mortality and infection models and observed trends between these forecasts and global ratings by country of human development, free press, and mean years of schooling