

Justin B. Helfman

440-465-9588 | justinbhelfman@gmail.com | <https://jbhelf.github.io> | Denver, CO

SUMMARY

Motivated and results-driven DevOps and Cloud Operations engineer. Skilled in C, Python, Git, and Shell. Proficient in Agile methodologies, AWS, and GCP. Successfully directed an SRE team to complete 29 documented epics in 3 months, and built EC2 AMIs used in over 130,000 GitLab pipelines. Passionate about code infrastructure development, machine learning and software development.

EDUCATION

Purdue University, West Lafayette, Indiana	August 2018 - May 2022
<ul style="list-style-type: none">B.S. Computer EngineeringEntrepreneurship & Innovation Certificate	GPA: 3.14/4.0

WORK & LEADERSHIP EXPERIENCE

Alteryx, Broomfield, Colorado — Associate Site Reliability Engineer	July 2022 - January 2023
<ul style="list-style-type: none">Oversaw cloud operations efforts, resolving urgent defects and system outages affecting customersDirected SRE into an agile-based workflow, resulting in 29 documented and completed epics in 3 monthsOrchestrated design of automated auditing tools for Security and Organizational Controls (SOC 2)	
Purdue University, West Lafayette, Indiana - Teaching Assistant	January - May 2022
<ul style="list-style-type: none">Created coursework to give students experience in CI/CD topics using GitHub actionsCourse topics included CI/CD, IaaS, PaaS, FaaS, Python, NodeJs, UNIX, GIT, JIRA, and Fuzzing	
Alteryx, Broomfield, Colorado — DevOps Engineering Intern	May - August 2021
<ul style="list-style-type: none">Built Amazon Machine Images (AMI) to expand what data sources may be used with Alteryx DesignerEC2 AMIs used in over 130,000 instances in GitLab pipelines over a 12-week periodBuilt a framework to automatically audit AMIs and determine value based on accessibility and security	
Eaton Corporation, Moon Township, Pennsylvania — Software Engineering Intern	January - April 2021
<ul style="list-style-type: none">Created remote scripts to interface with circuit breakers, testing for functionality and defects	
Eaton Corporation, Plymouth, Minnesota — Software Engineering Intern	June - August 2020
<ul style="list-style-type: none">Organized and delivered a continuous integration/continuous development tool using virtual machinesPresented project final summary saving an estimated 2000 hours per year within my team	
Alpha Epsilon Pi — Recruitment Chair, Executive Board Member	January 2019 - November 2020
<ul style="list-style-type: none">Orchestrated the recruitment team, enrolling a new member class, exceeding previous records by 35%Designed socially distant events during the COVID-19 pandemic increasing membership by 16%	

PROJECTS

NHL Score Prediction Neural Network	December 2022-Present
<ul style="list-style-type: none">Designing a multilayer perceptron neural network that predicts NHL game outcomes	
Digital Systems Design Project	August - December 2021
<ul style="list-style-type: none">Created an app to digitally record and display the results of a physical chess gameWorked with chess AI to aid player moves, and provide a variable-difficulty computer to play against	
Deep Learning (Neural Networks) Design Projects	August - December 2020
<ul style="list-style-type: none">Implemented Neural Turing Machines, Convolutional LSTM, and Generative Adversarial Networks	
SARS-CoV-2 (COVID-19) Analyses	May - December 2020
<ul style="list-style-type: none">Compiled a review and method validation of 4 ICML papers in the context of infectious disease forecastingAdministered 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	

LANGUAGES & TECHNOLOGIES

Languages: C (4 years) • Python (4 years) • Git (4 years) • PowerShell (3 years) • HTML (0-1 year) • SQL (0-1 year)
Other: Linux/Unix (4 years) • CI/CD (2 years) • AWS (1 year) • Google Cloud Platform (0-1 year) • Tensorflow & PyTorch (1 year)