

Justin B. Helfman

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WORK EXPERIENCE

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| Pratt & Whitney, Denver, CO — Software Engineer | June 2023 - Present |
| <ul style="list-style-type: none">• Led an audit of cloud and physical servers, identifying untracked and unsecured machines resulting in estimated savings of \$1.9M across cloud and physical portfolio• Created and formalized an asset inventory, determining ownership and maintenance for 76% of previously undocumented assets, and establishing security and vulnerability management protocols• Developed a fully automated documentation generation system, producing 8,000 pages and a web-compatible version in under 20 minutes using Python, Perl, JavaScript, HTML, CSS, and XML/XSL• Provided administrative and technical support for IBM DOORS, Jira, and Coverity, including establishing a staging Jira server and migrating DevSecOps systems to GovCloud (AWS)• Spearheaded cybersecurity efforts, implementing monitoring solutions using Wiz and Datadog, and serving as the department's representative for cybersecurity education and issue resolution• Built an internal KPI reporting website with a Python/Django and SQL backend and a JavaScript/HTML/CSS frontend, streamlining data analysis for leadership to track team agility and performance• Mentored an intern in full-stack web development and GitHub best practices, fostering the development of their skills in web technologies | |
| BarrelSense, Denver, CO — Lead DevOps Engineer | February 2023 - June 2023 |
| <ul style="list-style-type: none">• Served as a startup consultant, leading efforts in cloud operations and DevOps• Led Azure cloud architecture planning, implementation and testing, for minimum viable product release | |
| Alteryx, Broomfield, CO — Associate Site Reliability Engineer | July 2022 - January 2023 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• Designed automation expanding compatibility, resulting in over 130,000 use cases over a 12-week period• Built a framework to automatically audit AMIs and determine value based on utilization and security | |
| Eaton Corporation, Moon, PA — Software Engineering Intern | June - August 2020, January - April 2021 |
| <ul style="list-style-type: none">• 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• Organized and delivered a continuous integration/continuous development tool using virtual machines, saving developers an estimated 2,000 hours per year | |

LEADERSHIP EXPERIENCE

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| Purdue University, West Lafayette, IN - Teaching Assistant | January - May 2022 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• Recruited a new member class, exceeding previous records by 35% in my first year• Designed socially distant events during COVID increasing membership year over year by 16% | |

EDUCATION

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| Purdue University, West Lafayette, IN | August 2018 - May 2022 |
| <ul style="list-style-type: none">• B.S. Computer Engineering• Entrepreneurship & Innovation Certificate | |
| | GPA: 3.14/4.00 |