

# Justin B. Helfman

Denver, CO

440-465-9588 | justinbhelfman@gmail.com | <https://jbhelf.github.io> | [www.linkedin.com/in/justin-b-helfman/](https://www.linkedin.com/in/justin-b-helfman/)

## WORK EXPERIENCE

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| <b>Pratt &amp; Whitney, Denver, CO — Software Engineer</b>   | <b>June 2023 - Present</b>                      |
| <ul style="list-style-type: none"><li>• 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</li><li>• Created and formalized an asset inventory, determining ownership and maintenance for 76% of previously undocumented assets, and establishing security and vulnerability management protocols</li><li>• 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</li><li>• Provided administrative and technical support for IBM DOORS, Jira, and Coverity, including establishing a staging Jira server and migrating DevSecOps systems to GovCloud (AWS)</li><li>• Spearheaded cybersecurity efforts, implementing monitoring solutions using Wiz and Datadog, and serving as the department's representative for cybersecurity education and issue resolution</li><li>• 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</li><li>• Mentored an intern in full-stack web development and GitHub best practices, fostering the development of their skills in web technologies</li></ul> |   |
| <b>BarrelSense, Denver, CO — Lead DevOps Engineer</b>  | <b>February 2023 - June 2023</b>                |
| <ul style="list-style-type: none"><li>• Served as a startup consultant, leading efforts in cloud operations and DevOps</li><li>• Led Azure cloud architecture planning, implementation and testing, for minimum viable product release</li></ul>   |   |
| <b>Alteryx, Broomfield, CO — Associate Site Reliability Engineer</b>   | <b>July 2022 - January 2023</b>                 |
| <ul style="list-style-type: none"><li>• Directed SRE into an agile-based workflow, resulting in 29 documented and completed epics in 3 months</li><li>• Orchestrated design of automated auditing tools for Security and Organizational Controls (SOC 2)</li></ul>   |   |
| <b>Alteryx, Broomfield, CO — DevOps Intern</b>   | <b>May - August 2021</b>                        |
| <ul style="list-style-type: none"><li>• Designed automation expanding compatibility, resulting in over 130,000 use cases over a 12-week period</li><li>• Built a framework to automatically audit AMIs and determine value based on utilization and security</li></ul>   |   |
| <b>Eaton Corporation, Moon, PA — Software Engineering Intern</b>   | <b>June - August 2020, January - April 2021</b> |
| <ul style="list-style-type: none"><li>• Created remote scripts to interface with circuit breakers, testing for functionality and defects</li><li>• Architected automated firmware testing pipelines, allowing developers to focus solely on feature design</li><li>• Organized and delivered a continuous integration/continuous development tool using virtual machines, saving developers an estimated 2,000 hours per year</li></ul>  |   |

## LEADERSHIP EXPERIENCE

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| <b>Purdue University, West Lafayette, IN - Teaching Assistant</b>  | <b>January - May 2022</b>           |
| <ul style="list-style-type: none"><li>• Course topics included CI/CD, IaaS, PaaS, FaaS, Python, NodeJs, UNIX, GIT, web design, and Fuzzing</li></ul>   |                                     |
| <b>Alpha Epsilon Pi, West Lafayette, IN — Recruitment Chair</b>  | <b>January 2019 - November 2020</b> |
| <ul style="list-style-type: none"><li>• Recruited a new member class, exceeding previous records by 35% in my first year</li><li>• Designed socially distant events during COVID increasing membership year over year by 16%</li></ul> |                                     |

## EDUCATION

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