

Helene Willits

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OBJECTIVE

As a recent graduate with experience in ML and feature development, I am excited to apply the knowledge gained from investing in my passions, community, and long-term goals during a gap year towards advancements in technology.

EDUCATION

Cal Poly San Luis Obispo, CA

Graduated Dec 2022

- BS in Computer Science
- **GPA: 3.5**
- Graduated Cum Laude, Dean's List 2018-2021

WORK EXPERIENCE

Amazon SDE Intern: Amazon Web Services (AWS) CodeCatalyst

2022

- Delivered a code coverage feature for developer tools six months before launch. Built for reliability and scalability.
- I earned a full time return offer. The tool was later moved into production.

Amazon Propel Program Intern: Amazon Web Services (AWS) with Amazon Lex

2021

- Designed, developed, and delivered a regression analysis tool that helps developers diagnose performance decays in NLP models. Worked with cross-functional stakeholders. Built unit tests and used integration testing and automated pipelines. This tool is estimated to save 20 - 25 developer hours per week, per language.
- Summa Cum Laude Award
- Magna Cum Laude Award in Ownership
- I earned a full time return offer. The tool was later moved into production.

Building Controls Intern – ACCO Engineered Systems

2019

- Designed network architectures programmed controls software logic on 3 major commercial projects.
- Developed controls equipment documentation for over 30 commercial projects.
- I earned a return internship offer.

PROJECTS

Cal Poly Racing: Formula SAE Aerodynamics Team

2018 – 2019

- Built and tested parts for both the gas and electric race karts.
- Learned how the team used computational fluid dynamics and worked on scripts to automate simulation tasks.

Society of Women Engineers: Team Tech with Boeing

2018 - 2019

- Designed and prototyped a stowable treadmill to prevent blood clots in passengers with Deep Vein Thrombosis. I presented my work in **Boeing** reviews and led the research team.
- Placed 3rd at SWE National Conference, 2019
- Individual Recognition Award

SLO Hacks – Major League Hacking

2020

- Designed the app architecture, coded full stack, debugged issues, and delivered an MVP in 36 hours.

AthenaHacks – Major League Hacking

2019

- Used Java and Android Studio to design and code an app in 24 hours.

EXTRACURRICULAR ACTIVITIES

Society of Women Engineers: Community Outreach

2018 - 2022

- Mentored young girls in my community at outreach events.

SKILLS AND CHARACTERISTICS

Ownership, Excellent Communication, Quick Learner, Team Player, Decision Maker

Python, Java, AWS, Validating Requirements, Design, Implementation, Testing, Validation, Pipelines, CICD, Agile, Automated build, test, and deployment, Documentation, Git, AI/ML, Neural Networks, Supervised/Unsupervised Learning, Natural Language Processing (NLP), Tensorflow, Keras, PyTorch, Pandas, Statistics, UI/UX, CSS, HTML, JavaScript, React.js, Node.js, MongoDB