Helene Willits

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EDUCATION

Cal Poly San Luis Obispo, CA   Graduated December 2022
- Computer Science B.S. Undergraduate Degree
- **GPA: 3.5**

AWARDS AND NOMINATIONS

Cum Laude - Cal Poly SLO   December 2022
Summa Cum Laude Award - Amazon Propel Program   Summer 2021
Magna Cum Laude Award - Ownership - Amazon Propel Program   Summer 2021
Dean's List   Fall 2018, Winter 2019, Winter 2020, Spring 2021
Individual Recognition Award Recipient – Team Tech with Boeing   Fall 2018

WORK EXPERIENCE

Amazon Software Development Engineer Intern: Amazon Web Services (AWS) CodeCatalyst   Summer 2022
- Delivered a code coverage feature for developer tools that was later moved into production.
- Acted quickly to handle problems before they grew, worked iteratively, learned from team expertise, supported team efforts, and reinforced the methods taught by Amazon learning programs. I earned a full time return offer.

Amazon Propel Program (APP) Intern: Amazon Web Services (AWS) with Amazon Lex   Summer 2021
- Built a tool that helps developers diagnose performance decays in machine learning models. This tool is estimated to save the team 20 to 25 developer hours per week, per language. The tool was later moved into production. I earned a full time return offer as well as a return internship offer.

Building Controls Intern – ACCO Engineered Systems   Summer 2019
- Designed network architectures programmed controls logic for all of the climate automated machinery on 3 major commercial projects. Developed controls equipment documentation for over 30 commercial projects.

PROJECTS

SLO Hacks – Major League Hacking   March 2020
- Used Java and Android studio to design and code an app that allows users to wage bets against themselves and their friends to help increase their productivity and accountability
- Designed the app's architecture and coded features that allowed users to create and manage their challenges
- Coded frontend features that allowed users to manage their current challenges and navigate between pages

Society of Women Engineers: Team Tech with Boeing   2018 - 2019
- Placed 3rd at SWE National Conference, 2019
- Designed and prototyped a stowable treadmill to prevent blood clots in passengers with Deep Vein Thrombosis
- Research Lead: Analyzed and reported on the economic, health, and other impacts of the product, as well as organized the research team and ensured that deadlines were met with excellent deliverables
- Presented to our Boeing mentor team in several reviews and implemented mentor advice into our design

AthenaHacks – Major League Hacking   April 2019
- Used Java with Android Studio to design and code a user-friendly app that documents travel locations, participants, and event memos in a 24 hour Hackathon

Cal Poly Racing: Formula SAE Aerodynamics Team   2018 – 2019
- Learned how the team used computational fluid dynamics and the possibilities created by adding custom scripts

EXTRACURRICULAR ACTIVITES

Society of Women Engineers: Community Outreach   2018 - 2022
- Encourage young girls in my community to explore STEM by helping them work through fun engineering activities

SKILLS AND CHARACTERISTICS

- Ownership, Effective Communication, Positive Attitude, Creativity, Curiosity