

Evan Goertzen

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EXPERIENCE

Co-op - Lawrence Livermore National Laboratory

June 2023 - Present

- 7-month full-time software developer, extended to part-time
- Awarded Environmental Safety and Health Excellence award for account creation automation feature
- Working with a team of engineers on full-stack web development
 - Developing resource-tracking software used by chemists within the lab
 - Optimize database structure and associated queries to reduce initial application loading time by 90%
 - Angular, Play framework, SQL Server, Java, Javascript, Typescript, HTML, CSS, Bitbucket source control

Internship - E&J Gallo Winery

June 2022 - August 2022

- Worked on the Information Security team to develop an automated penetration testing application
 - Validates security of 7,000+ employee emails and 1,000+ associated company URLs
 - Runs automatically every quarter and sends results to the Information Security Team
 - Python, SQLAlchemy, Sublist3r, Have I Been Pwned API, DirBuster, Sub404, Integrated with AWS - Lambda, SQS, AWS-DynamoDB, AWS-EC2

Software Developer - Chico State Physics Department

September 2023 - Present

- Working on a team of 3 students and 2 professors to develop a mobile application for the Physics of Music class
- Managing the utilization of a \$400,000 National Science Foundation grant
- Utilizing Flutter/Dart to develop for IOS and Android in preparation to expand the app to other universities

EDUCATION

California State University-Chico

August 2021 - May 2025

Bachelor of Science in Computer Science | GPA: 4.0

Vice President - Upsilon Pi Epsilon (UPE) - Computer Science Honor Society

December 2023 - Present

- Plan, advertise, and conduct club meetings, department events, and fundraisers
- Outreach to new members, communicate with professors, students, and alumni network (250+ alumni)
- Run our student and alumni mentorship program with 20+ participants each semester

Treasurer - Association for Computing Machinery (ACM)

January 2022 - Present

- I facilitate all club transactions and keep the club in good standing with the university
- Host annually and compete bi-annually in programming competitions and coordinate annual hackathons

SKILLS

Tools/OS/Frameworks: Django, Angular, Linux, Windows, Git/GitHub, Bitbucket, Amazon Web Services, Google Cloud Platform

Languages: C, C++, C#, Java, Javascript, Typescript, Python, HTML, CSS, Oracle SQL, SQL Server, ARM Assembly

Courses: AWS Cloud Practitioner Course - A Cloud Guru, 3-day Intermediate Angular training at LLNL

PROJECTS

Financial Planner

- Developed a Python script to analyze diverse market conditions, principal/payments, and interest rates, determining optimal financial planning strategies
- Applied insights from the script to inform and enhance personal financial planning decisions

Swing Trade Pro

- Created a stock market trend prediction application using C# and .NET Framework
- Utilizes analytics and past data patterns obtained from a stock market API to analyze specific companies
- The application is developed as a Windows Forms app for effective user interaction and data visualization

Hackathon Project 2023 - Internet Packet Mapping

- Worked with a team of 4 students to create a mobile application to visualize packet travel across the internet
- Applied Python, Kotlin, Git, and Android Studio for effective project implementation

Currency Exchange

- Created script to detect positive cycles in cryptocurrency and global currency exchange to detect profitable exchanges
- Used Cryptogecko API and Python