

Alexander Sher

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Career Profile

Computer science student with hands-on experience in open-source development and data analytics - contributing to real codebases, analyzing large-scale datasets, and delivering insights that enhance application efficiency and customer satisfaction.

Experience

Data Analytics Extern | Beats by Dr. Dre – Remote | June 2026 - in progress

- Analyzed 5,000+ survey responses across 30 questions using Python (Google Colab) and Google Sheets, extracting qualitative and quantitative insights to identify key customer satisfaction trends for Beats by Dr. Dre.
- Cleaned and processed large-scale survey data using Python (Google Colab) and Google Sheets, ensuring data accuracy and consistency to support reliable brand perception analysis.
- Delivered findings report identifying key trends and patterns using Python (Google Colab) and Google Sheets, informing marketing and product strategy recommendations for Beats by Dr. Dre.

Test Engineering Intern | Open Energy Dashboard – Remote | Jan 2026 – Feb 2026

- Implemented CG10 automated test case using Mocha and Chai, validating API unit conversion from kWh-to-BTU to enable accurate energy comparisons for US regulatory compliance.
- Analyzed existing test patterns across 9 test cases using Visual Studio Code and GitHub, maintaining code consistency and reducing technical debt in a 1,000+ line test suite.
- Resolved development environment challenges using GitHub issue analysis and documentation review, applying pattern-based implementation strategies to successfully deploy and validate the OED application locally.

Technologies

- Languages: C++, Python, JavaScript, HTML/CSS
- Frameworks and Tools: Node.js, Express.js, Mocha, Chai
- Database: PostgreSQL
- Version Control: Git, GitHub ([pull request](#))
- Development: Visual Studio Code, Google Colab, API testing
- Productivity: Google Docs, Google Sheets

Skills

- Technical: API testing, test-driven development, code pattern analysis, debugging, documentation review, unit conversion algorithms, using AI tools for data analysis
- Soft Skills: problem-solving, self-motivated, organized, independent learner, systematic troubleshooting, written communication

Education

Los Angeles Valley College - B.S. Computer Science (June 2028) | GPA: 3.7 | Dean's List (5 semesters)