

# Alexis Lydon

alexisblydon@gmail.com | (530) 788-8228 | <https://linkedin.com/in/alexis-lydon-477498223> | [Portfolio](#) | [Github](#)

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## SUMMARY

Recent Computer Science graduate with 3+ years of experience in software engineering and web development with JavaScript, HTML, CSS, and React. Skilled in Python, SQL, and non-relational databases, with hands-on experience in Agile development and full-stack collaboration. Passionate about creating tools that enhance efficiency and solve real-world technical challenges, with a proven ability to quickly learn and adapt to new frameworks and technologies.

## EDUCATION

**University of California, Davis**

*Graduated: Dec 2023*

Bachelor of Science, Computer Science with Honors, Minor in Psychology - GPA 3.97/4.00

## SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, Java, C++, HTML, CSS, SQL, C, C#
- **Frameworks and Tools:** React, React Native, Next.js, Node.js, Django, Tailwind CSS, Pandas, Scikit-Learn, Jest, MongoDB, Linux, Git, GitHub, Jira, Figma, Visual Studio Code, MySQL, PowerBI, AWS
- **Core Competencies:** App/Web Development, Data Analysis, Agile Development, Object Oriented Programming, Data Structures, Algorithm Design and Analysis, Artificial Intelligence, Machine Learning, Computer Architecture

## PROJECTS

**Netflix Content Data Analytics Project** | [Link to Project](#)

*March 2025 - April 2025*

- Processed and cleaned 3 raw CSV datasets using SQL and Excel to normalize genres, unify content ratings, and integrate into a relational data model for efficient querying.
- Built a multi-page Power BI dashboard with dynamic visuals (bar, line, treemap, KPI cards) using DAX measures for YoY growth and genre ranking.
- Discovered that 65%+ of content from top-producing non-U.S. countries is classified as International, while the U.S. and Canada favored Comedy and Drama, revealing regional content preferences that could inform localization and licensing strategies.
- Compiled a report documenting methodology, data transformations, and visual insights to communicate findings to both technical and non-technical stakeholders.

**Design 2 Data Enzyme Rate Calculator Website** | [Link to Project Writeup](#)

*Sept 2023 - Dec 2023*

- Led the frontend implementation of a website that calculated Enzyme Rates for UC Davis's Design 2 Data organization within an agile development team, using React with JavaScript and Tailwind CSS.
- Efficiently executed the seamless transfer of 3 Figma designs to the website frontend to ensure a precise implementation.
- Utilized data retrieval and processing skills to extract information from Google Sheets to calculate required enzyme rates.
- Improved data accuracy by 50% for lab use by implementing a sliding window calculation to calculate the enzyme rates.

**Food-Off App** | [Link to Project Writeup](#)

*January 2022 - May 2022*

- Developed a full-stack application using the MERN (MongoDB, Express.js, React, Node.js) stack to simplify dining decisions, incorporating intuitive navigation and user-friendly interfaces.
- Built and consumed RESTful API routes while handling JSON data responses effectively.
- Implemented main UI elements and interfaces designed in Figma using React Native and CSS.

## EXPERIENCE

**Software Developer Intern for DavisDot Team, Icarus Development**

*Sept 2024 - Present*

- Translated Figma designs into fully functional pages using React Native and CSS, ensuring high fidelity to design specifications.
- Integrated Expo Router for seamless navigation between pages and developed interactive features for user profiles.
- Collaborated closely with a multidisciplinary team of designers and developers, regularly participating in sprint meetings to ensure smooth project progress.

**Software Developer Intern, CodeLab UC Davis**

*Jan 2022 - Dec 2023*

- Designed, coded, and implemented three Full Stack mobile and web applications using Agile methodologies, ensuring scalability, performance, and reliability through comprehensive testing and creation of reusable React components.
- Collaborated in cross-functional teams to deliver high-quality, modular, and maintainable code under tight deadlines.
- Communicated effectively with team members and stakeholders, presenting technical solutions in a clear manner and providing timely updates on project progress.
- Gained proficiency in React, React Native, JavaScript, TypeScript, CSS, MongoDB, Jira, and Figma.