

ALEXIS LYDON

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Summary

Motivated Computer Science graduate with a strong foundation in software engineering and web development, eager to contribute to innovative applications and projects. Proficient in JavaScript, React, and Python with hands-on experience in building responsive and user-friendly applications and collaborating in Agile teams. Passionate about learning new technologies, exploring modern frameworks, and continually improving technical and collaborative skills. Thrives in team environments and seeks opportunities to grow through new challenges and contributions.

Education

University of California, Davis

Bachelor of Science in Computer Science

Graduated: Dec 2023

GPA: 3.97/4.00

Experience

Icarus Development

Sept 2024 – Now

Software Developer Intern for DavisDot Team

Davis, CA

- Translated Figma designs into 6 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 to ensure efficient project progress, regularly participating in sprint meetings to ensure smooth project progress.

CodeLab UC Davis

Jan 2022 – Dec 2023

Software Developer Associate

Davis, CA

- Designed, coded, and implemented three Full Stack mobile and web applications using **Agile** methodologies, ensuring scalability, performance, and reliability through comprehensive testing and debugging.
- Collaborated in cross-functional teams of designers, developers, and project managers to meet tight deadlines while maintaining functionality across diverse platforms.
- Enhanced system efficiency by adhering to well-defined coding practices and proactively troubleshooting technical challenges.
- 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** through the successful completion of three development projects.

Projects

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

Sept - 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 **TypeScript** 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 automated enzyme rate calculations.

Developer, CodeLab Training Tool Website | [Link to Project Writeup](#)

Oct - Nov 2022

- Contributed to the development of a website hosting training tools for the CodeLab organization using **React**.
- Developed 4 backend **API** routes linking to **MongoDB** in **JavaScript** based on the specified backend model.
- Provided assistance and support to team members to facilitate the completion of assigned tasks.

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

January - 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.
- Implemented main UI elements and interfaces designed in **Figma** using **React Native** and **CSS**.
- Utilized **React** props and navigation techniques to connect 5+ screens and facilitate smooth data flow.

Skills

Programming Languages: C++, C, Python, Java, HTML, CSS, JavaScript, TypeScript

Frameworks and Tools: React, React Native, Flutter, Next.js, NumPy, Pandas, Scikit-Learn, Matplotlib, Plotly, Chart.js, Jest, MongoDB, Linux, Git, Unity, Jira, Figma, Visual Studio Code

Relevant Coursework: Object Oriented Programming, Data Structures, Computer Architecture, Algorithm Design and Analysis, Operating Systems, Artificial Intelligence, Machine Learning, Android App Development, Gameplay Programming