

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 as a Software Engineer. Proficient in JavaScript, React, and Python, with hands-on experience in building responsive and user-friendly applications and collaborating in Agile teams. Skilled in translating design concepts into functional web pages and optimizing website performance. Passionate about enhancing user experiences, solving technical challenges, and growing within a dynamic, remote-first environment.

EDUCATION

University of California, Davis

Graduated: Dec 2023

Bachelor of Science, Computer Science - GPA 3.97/4.00

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 to ensure efficient project progress, 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 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

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 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

October 2022 - November 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.

Developer, Food-Off App

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.
- ◇ 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