Alexander Boyko
alexboyko@outlook.com · alexboyko.info · (425) 326-2240

Education

University of Washington, Seattle, WA. (2023-Present)   *Bachelor of Science, Computer Science*, June 2025
University of California, Davis, CA. (2021-2023)   **GPA:** 3.90 (Major) 3.87 (Overall)

Coursework: Software Design and Implementation · System and Software Tools · Data Structures & Algorithms · Algorithm Design & Analysis · Machine-Dependent Programming · Discrete Math · Linear Algebra · Vector & Multivariable Calculus · Engineering Writing · Classical Physics

Professional Experience

Software Development Intern — *Akvelon, Inc.*   Summer 2023
End-to-end frontend development in collaboration with backend implementation. Active role in moving the team through a full development cycle of a new product: story-boarding and capturing project requirements; goal setting and tracking daily progress in Jira; collaborating in a shared source code repo; debugging and reviewing code changes; deploying to production and collecting user feedback.

Swim Instructor & Red-Cross Certified Lifeguard — *Wave Aquatics*   2018—2023
Five years of experience in teaching water skills and safety, team communication skills, program management, employee training, basic administrative tasks, and customer services.

Projects

AI Study Assistant (https://study-assistant.akvelon.net/)   Summer 2023
Designed, built, and deployed a real-time chat application which provided an interactive study assistant powered by OpenAI. Led end-to-end frontend development, worked with a partner team on backend implementation. Released and made publicly available for high schools and universities.
React, Redux, TypeScript, Tailwind CSS, Python, FastAPI, Git, Gitlab, Jira

curatedlist.io (https://curatedlist.io/)   2020—Present
Co-created, designed and developed a web-app platform for an all-in-one, multipurpose collaboration space that allows users to create, share, and track learning plans; entered in a district-wide startup challenge.
React, Redux, Redis, Material UI, Git

Kits Cubed App (https://github.com/payday2021/Kits-Cubed-App-Development)   2023—Present
Co-developing a mobile app for a local STEM youth program in Oakland, CA, that will provide easier accessibility to science kits, events, and educational content through the use of smartphones.
Expo, React Native, Redux, NodeJS, SQLite, Git

Activities

WAVE Competitive Swim Team   2012—2020
Varsity level. Part of the Pacific Northwest Swimming Association of USA Swimming.

Awards & Honors

Mentor's Choice Award - Exceptional Teamwork and Outstanding Initiative   August 2023
Chosen and given out by project mentors following Akvelon's 2023 internship program.

Dean's Honor List, College of Letters & Sciences   Fall 2021, Winter 2021
Awarded to students in recognition of academic excellence.

Wave Aquatics Outstanding Athlete   2018
Most Valuable Swimmer award for excellence in leadership and team spirit.

Skills & Tools

Software: Visual Studio Code, Figma, Microsoft Office, Adobe Photoshop/Lightroom
Skills: Academic & Technical Writing, Graphic & Logo Design, Photography