

## Alexander Boyko

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### Education

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**University of Washington**, Seattle, WA. (2023-Present) - GPA: 3.5

*Bachelor of Science, Computer Science*

University of California, Davis, CA. (2021-2023) - GPA: 3.8

**Expected:** March 2025

**Coursework:** Software Design and Implementation · Systems Programming · Data Structures & Algorithms · Algorithm Design & Analysis · Database Management · Object-Oriented Programming in C++ · Machine-Dependent Programming · Compiler Construction · Discrete Mathematics for Computing · Multivariable Calculus · Engineering Report Writing

### Professional Experience

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**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 product development cycle: story-boarding and capturing project requirements; goal-setting and tracking daily progress in Jira; collaborating in a shared source code repo; debugging and code reviewing; deploying to production and collecting user feedback.

**Swim Instructor & Red-Cross Certified Lifeguard** — *Wave Aquatics*

2018—2024

Over five years of experience in coaching, teaching water safety skills, and team communication; dealt with program management, employee training, administrative tasks, and customer services.

### Projects

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**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 local schools/universities. *React, Redux, TypeScript, Tailwind CSS, Python, FastAPI, Gitlab, Atlassian Jira, Agile, SCRUM*

**curatedlist.io** (<https://curatedlist.io/>)

2020—Present

Co-developer and lead designer of an online multimedia collaboration web-app where users can create, share, and track learning documents; entered in a district-wide startup challenge. *NextJS, Redux, Redis, TypeScript, Tailwind CSS, Git*

**myself** (<https://github.com/nexusboyko/myself/>)

2022-2023

Fullstack web application for personal-development, focused on mental health/wellness activities. *React, Redux, NodeJS, Express, MongoDB, JavaScript, HTML/CSS, REST APIs, Git*

**Kits Cubed App** (<https://github.com/payday2021/Kits-Cubed-App-Development/>)

2023—Present

Part-time developer on 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 smartphones. *React Native, Expo, Redux, NodeJS, SQL, Git*

### Activities

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**WAVE Competitive Swim Team**

2012—2020

Varsity level; part of the Pacific Northwest Swimming Association of USA Swimming.

### Awards & Honors

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**Mentor's Choice Award - Exceptional Teamwork and Outstanding Initiative**

August 2023

Selected and given out by project mentors following Akvelon's 2023 internship program.

**Dean's Honor List**

Fall 2021, Winter 2021,  
Spring 2024

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

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**Software:** Visual Studio Code, Linux/Unix, Microsoft Office, Figma, Adobe Photoshop/Lightroom

**Skills:** Web Development, Academic & Technical Writing, Graphic Design, Photography