

Alexander Boyko

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Education

University of Washington

Seattle, WA

Bachelor of Science, **Computer Science**

Expected: March 2025

Coursework: Object-Oriented Programming in C++/Java · Distributed Systems · Software Design and Implementation
Systems Programming · Data Structures & Algorithms · Algorithm Design & Analysis · Database Management ·
Compiler Construction · Data Visualization · Machine-Dependent Programming · Discrete Mathematics for Computing

Professional Experience

Software Development Intern

Summer 2023

Akvelon, Inc.

Full-cycle software development (AI Study Assistant), working closely with multiple cross-functional teams to deliver a production-ready application designed for educational institutions. Led frontend development and API integration, debugged critical issues, conducted peer code reviews to maintain high code quality in shared source code repository; managed project delivery using Agile methodology, story-boarding, led daily stand-ups.

Swim Instructor & Red-Cross Certified Lifeguard

2018—2024

Wave Aquatics

Over five years of professional experience in coaching, group program management and employee training; teaching, team communication, administrative responsibilities, and customer services.

Awards & Honors

Exceptional Teamwork and Outstanding Initiative Award - Akvelon Inc., 2023

Dean's Honor List - Awarded for multiple academic quarters, in recognition of academic excellence, 2021-2024

Wave Aquatics MVP Award - Awarded for excellence in leadership and team spirit, 2018

Projects

Curated List (<https://curatedlist.io/>)

Summer 2024

Co-creator, developer, and lead designer of an online multimedia collaboration web-app where users can create, share, and track educational curriculums; competed in a district-wide startup challenge.

AI Study Assistant (<https://study-assistant.akvelon.net/>)

Summer 2023

Designed, built, and deployed MVP product: real-time chat application and interactive study assistant. Released and made publicly available for five high-schools and universities; implemented onboarding for additional institutions.

courser (<https://github.com/nexusboyko/courser/>)

Fullstack URL crawler that organizes/saves course websites into an easy-to-navigate, customizable directory.

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

Co-developer of a mobile app for a local STEM youth program, providing accessibility to science kits, local events, and educational content through smartphones.

Skills & Tools

Tools: Visual Studio Code, Linux/Unix, GitLab, Jira, Figma, Adobe Photoshop/Lightroom, Microsoft Office, Tableau

Skills: C++, Java, Python, Go, JavaScript/TypeScript, Git, React, HTML/CSS, Tailwind/Bootstrap, SQL, Redis, MongoDB, Node.js, FastAPI, Express.js, D3.js

Activities

WAVE Competitive Swim Team

2012—2020

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