

# Alexander Boyko

[alexboyko@outlook.com](mailto:alexboyko@outlook.com) · [alexboyko.info](http://alexboyko.info) · [linkedin.com/in/aboyko2003](https://linkedin.com/in/aboyko2003)

## 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

## 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

## Professional Experience

---

### Akvelon, Inc.

Software Development Intern

Summer 2023

Bellevue, WA

Full-cycle software development (AI Study Assistant) — designed, implemented, and deployed to production. Led frontend development team, co-developed backend APIs, conducted peer code reviews, supervised shared source code repository; managed project delivery using Agile methodology and story-boarding; led daily stand-ups.

### Wave Aquatics

Swim Instructor & Red-Cross Certified Lifeguard

2018—2024

Redmond, WA

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

## Awards & Honors

---

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

**Dean's Honor List** - Multiple awards 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 platform 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.

## Activities

---

### WAVE Competitive Swim Team

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

2012—2020