# William Ong

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## EDUCATION

**University of Washington**                                                                Seattle, WA
*Bachelor of Science in Computer Science*                                    *Sept. 2023 – Present*
- Expected Graduation: Dec. 2025
- GPA: 3.8/4.0
- Relevant Coursework: Software Design, Data Structures & Parallelism,
  Data Management, Systems Programming

**Clark College**                                                                          Vancouver, WA
*Associate in Science Transfer in Computer Science*                      *Sept. 2021 – June 2023*
- GPA: 3.92/4.0
- Relevant Coursework: Object-Oriented Programming, Programming Tools,
  Theory of Computation

## EXPERIENCE

**Full Stack Developer & Team Lead**                                          Jan. 2024 – Sept. 2024
*Husky Coding Project - rhythmix*                                                      *Seattle, WA*
- Implemented a recommendation playlist for 10 genres that refreshes every 24 hours
  using MongoDB, Spotify API, Netlify's serverless functions, and cron jobs
- Designed and implemented a responsive user interface with Figma designs and CSS
  media queries to enhance design consistency and user experience
- Led a team of 6 members, overseeing project development from conception to delivery,
  ensuring adherence to deadlines and product specifications
- Improved team workflows and productivity through effective task delegation and
  facilitation of regular meetings

## PROJECTS

**Insight Archives** | *TypeScript, React, Tailwind, Gemini API* | Live | Repo        Sept. 2024 – Present
- Developed a web application that provides daily updated quotes via Gemini API to
  inspire users and promote personal reflection
- Automated quote updates with Netlify's serverless functions and cron jobs to ensure
  consistent and insightful content
- Implemented a subscription feature with MongoDB and Brevo API to send daily
  quotes directly to inboxes
- Incorporated a calendar-based archive system to allow users to effortlessly browse and
  access past quotes

**rhythmix** | *JavaScript, React, HTML/CSS, MongoDB, Spotify API* | Live | Repo        Jan. 2024 – Sept. 2024
- Developed a web application that enhances a user's Spotify listening experience by
  providing fresh and enjoyable music recommendations using Spotify API
- Implemented a custom playlist feature allowing users to choose from 126 genres and
  modify 14 attributes to craft personalized playlists
- Integrated song search functionality with React Bootstrap and Spotify API for users
  to find songs, add them to a pool, and generate tailored recommendations

## TECHNICAL SKILLS

**Languages**: Java, C/C++, SQL, JavaScript/TypeScript, HTML/CSS
**Frameworks**: React, Tailwind, Node.js, Next.js
**Developer Tools**: Git, VS Code, Netlify, Cronjobs, Figma
**Libraries**: NextUI, React Bootstrap