

Ryan Cho

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<https://ryanchoportfolio1.netlify.app/>

EDUCATION

University of Washington, Information School

Seattle, WA

Pursuing Bachelor of Science in Informatics Degree, Concentration: Software Development/Data Science Graduation: Jun 2026
Cumulative GPA: 3.96

Relevant Coursework: CSE 373: Data Structures and Algorithms, INFO 340: Client-Side Development, INFO 330: Databases and Data Modeling, INFO 360: Design Methods, INFO 201: Data Science

Henry M. Jackson High School

Mill Creek, WA

High School Diploma

Jun 2022

National Merit Finalist, Valedictorian, AP Scholar, John Locke Essay Finalist
Class Rank: 1

WORK EXPERIENCE

Software Engineer - Erie Insurance

Erie, PA

Intern

May 2024, Aug 2024

- Worked in the BCDS(Billing Consolidated Data Storage) team in the Data Technology Department
- Executed the migration and querying of legacy data to AWS S3 Data Lake via AWS Redshift Spectrum
- Utilized SQL, MarkLogic, and XQuery to develop scripts for unit testing on incremental data loads, ensuring accuracy and efficiency in data migration processes

Data Analyst - Hazing Info

Seattle, WA

Intern

Oct 2023, Present

- Developed and implemented automated scripts in JavaScript, processing over 5,000 data entries to enhance data sorting and organization for the StopHazing.org beta and v2 launches
- Optimized database structure by reducing the number of tables by 20%, saving space and improving efficiency
- Utilized Airtable, Softr Studio, Figma, Notion, and Miro for project organization and prototype ideation

Mill Creek Education

Mill Creek, WA

Private Tutor

Aug 2020, Dec 2022

- Instructed introductory Java, R, Figma, and SQL
- Tutored students in Everett Public School District, covering Geometry to AP Calculus and Statistics
- Conducted SAT, PSAT, and AP exam lessons for high school students

PROJECTS

Seoul Bites: React Native, NativeWind, Redux, Sanity

May 2024

- Developed a mobile application using React Native and NativeWind to help users find nearby Korean restaurants
- Utilized Sanity for a no-code interface, enabling clients to easily edit and manage data
- Employed Redux for state management, ensuring seamless and responsive app performance

Persona Playground: React, Firebase, HTML/CSS

Mar 2024

- Developed a React website with a Firebase backend enabling users to take and create personality tests
- Implemented robust front-end features and ensured seamless integration with the back-end for efficient data handling and user interaction

Minesweeper: Java

Aug 2023

- Developed functional Minesweeper game build on recursive logic through Java's AWT and Swing Graphics libraries
- Constructed a graphical user interface(GUI) that facilitates user interaction

World Corruption Shiny App: R, Shiny

Sep 2022

- Utilized R to compile datasets through GitHub and Kaggle for a functional World Corruption Shiny App, focusing on government transparency's global impact
- Developed visualizations using Leaflet to analyze corruption trends, correlating transparency with GDP and happiness

ACTIVITIES

Web Impact, Front-End Developer

Sep 2023, Present

- Implemented Next JS and Tailwind CSS to develop a functional website for the UW RSO, Viable Veganism
- Assisted in troubleshooting and debugging in RSO Coding Meetings

KEY SKILLS

Programming Languages: Java • SQL • JavaScript • React/Reactive Native/Next.js • HTML/CSS • R • MarkLogic • XQuery

Tools/Other Skills: Figma • Wix • CapCut • Excel • Database Management • Data Structures and Algorithms • Visual Design