Elijah Tran

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Education

University of Washington **Seattle, WA**
Bachelor of Science in Informatics
Anticipated Graduation: *June 2026*
Relevant Coursework: Data Structures & Algorithms, Client-Side Development, Probability & Statistics

Technical Skills

- **Programming Languages:** Java, JavaScript
- **Web Development:** HTML, CSS, React.js, Node.js
- **Tools & Technologies:** Git, Firebase, CSV data processing, API integration

Relevant Experience

Software Engineer Intern | *Computing For All*
July 2024 – August 2025
- Developed web applications using JavaScript, improving functionality and enhancing user experience.
- Gained proficiency in HTML, CSS, and JavaScript, with exposure to data visualization techniques.
- Contributed to weekly Agile sprints, meeting project milestones on time.

Software Engineer Intern | University of Washington Comotion
April 2025 – Present
- Used React Flow and Node.js to generate interactive graphs linking family members and regions.
- Integrated CSV uploads, data validation, and PDF export features for internal research teams.
- Collaborated with innovation managers to map patent conversion paths and regional coverage.

Projects

Kiku | Music Discovery Web App
- Developed a music discovery web app integrating the Spotify API to recommend concerts based on user listening history.
- Integrated user data from Spotify API to provide real-time recommendations and analysis.
- Personalized user recommendations by analyzing listening history preferences, ensuring users received tailored music suggestions

QuickCards | Flashcard Web App
- Developed a dynamic flashcard application with an intuitive interface for efficient studying.
- Implemented user-friendly categorization and card creation features, enhancing learning experience.
- Crafted UI/UX using Figma, creating detailed prototypes that ensured a cohesive, user friendly design

Patent Family Tree | CoMotion Project
- Designed and implemented an interactive patent visualization platform using React Flow and Node.js.
- Parsed and grouped patent data by region and family to generate dynamic visual trees.
- Integrated export features (CSV, PDF, PNG) to support research documentation and analysis.