

Simon Kurgan

425-623-3133 | simku22@uw.edu | [linkedin.com/in/simonkurgan](https://www.linkedin.com/in/simonkurgan) | github.com/simku22

EDUCATION

University of Washington

Seattle, WA

Bachelor of Science in Informatics (Software Development & Information Architecture)

Jun. 2026 (Expected)

- Relevant Coursework: Foundations of Java Programming, Statistical Computing in R, Data Science Foundations in R
- In-Progress Coursework: Data Structures & Algorithms, Client-Side Development

TECHNICAL SKILLS

Languages: Java, JavaScript, R, SQL, HTML/CSS
Libraries: JUnit, Shiny, GGPlot2, TidyVerse, Plotly, Flask, React, Node.js
Developer Tools: Git, MongoDB, Observable, Google Cloud Platform, Docker

EXPERIENCE

BobaTalks | Volunteer Software Engineer | *Python, MongoDB, Flask, Docker*

Jul. 2023 – Present

- Engineered BobaBot, a Discord-based notification system that notifies mentors of new resume postings in their field within a career education server with 4000+ users using Flask and Python
- Implemented a menu selection system that reconfigured the startup process and enabled unsubscribe operations, reducing average new user setup times to under 30 seconds
- Optimized Flask endpoints and subscribing operations to reduce the number of total queries by 20%
- Produced 3-page documentation for BobaBot outlining Docker hosting and Discord API, facilitating the onboarding of new developers and volunteer testing from industry product managers

KCLS | Math Tutor

Jun. 2022 – Aug. 2022

- Prepared and taught a bi-weekly curriculum to 12 students for 10 weeks; maintained an 85% student retention rate using live whiteboard examples and presentations
- Led and involved an assistant rover and tutor to create a cohesive lesson plan over Zoom; kept student safety protocols and gave post-lesson summaries to promote better parent-involvement

PROJECTS

UWMajors | *React, Chart.js, MySQL, HTML, CSS, Git*

Jun. 2023 – Present

- Creating a full-stack data visualization website providing information about competitive majors at the University of Washington; garnered 40 survey responses within 2 days of release
- Architected and deployed a simple MySQL database with optimized variable data types, improving upon and replacing a static JSON dataset
- Built a dashboard complete with widget-controlled graphs that displayed admissions trends across 6+ majors in real-time using Chart.js
- Designed and implemented all 4 front-end pages using Figma, React, and HTML

Retail Route | *Figma, HTML, CSS, UI/UX Research* | Voted Best Project in Class

Sep. 2022 – Jan. 2023

- Proposed an alternative to in-store navigation by conceptualizing and designing Retail Route, a mobile app that provides real-time directions, created specifically to accommodate physical disabilities
- Constructed and effectively summarized User Personas, Control Flows, & Mock-ups using Canva; designed 20+ mobile app frames with full-loop interaction animations using Figma
- Created a 90 second formal video pitch deck complete with mockup animations and feature demonstrations
- Produced a 27-page prototype document containing user research and detailed design decisions

SKILLS

Object-Oriented Development
Data-Visualizations
Debugging/Troubleshooting

Feature Design & User Research
Networking & Team-Leadership
Project Management