RISA KAWAGOE

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Skills

- **Languages**: JavaScript, TypeScript, HTML, CSS, SQL, C, C++, PHP, Java, Kotlin, Python
- **Frameworks / Libraries**: React, Angular, Node, Express, jQuery
- **Developer Tools**: Git, VS Code, Figma, GCP, Docker, WordPress, Android Studio, Firebase

Projects

SFU Synapse React, JavaScript, Node.js, Express.js, MySQL, GCP, Docker, HTML, CSS Jan - Apr 2023

- Lead a team of 4 to develop a social networking platform using the **SERN stack (MySQL, Express, React, Node)** to help students identify peers with common interests and courses and build meaningful relationships
- Designed and set up database with Docker; deployed app on **GCP Compute Engine and Cloud SQL** for 72 hours; and tested usability with 13 users
- Implemented login feature with **email verification** using **Nodemailer** to limit access to SFU students
- Implemented user dashboard to allow users to analyze connection qualities and group involvement
- Pulled up-to-date course information from **SFU Course Outlines REST API** to allow users to identify and connect with others with common courses

Pig Tracker Angular, TypeScript, Leaflet, Data Manager (server) API, HTML, CSS, JSON, Bootstrap Sep - Dec 2022

- Designed and developed an app to help a farmer track lost pigs using **Angular** and **TypeScript**; acknowledged by course TA for outstanding UI
- Implemented communication with backend **Data Manager API** to allow the community to submit reports and to display them in a list or a map using the **Leaflet API**

Survive in the End - 2D Java Maze Game Java, intelliJ IDE with JDK, Maven, Junit Jan - Apr 2022

- Worked in a team of 4 to develop a desktop 2D Java maze game
- Received 3rd place in the class competition for **game design and product demonstration**
- Implemented frontend logic for screen transition navigation and game music
- Defined and documented requirements, utilized **UML diagrams** for program structure and technical specification, and performed **code refactoring and jUnit testing** on 13 components with a 78.9% average coverage

Organizations

Volunteer Frontend Web Developer Software Systems Student Society Website Committee May 2023 - Present

- [in progress] Collaborating with a team of 3 to develop a media portal to deliver helpful information to Software Systems Students; designing UI with Figma and implementing frontend with Next.js

Vice President SFU Badminton Club Jan - Aug 2022

- Organized club management information to allow smooth handovers and welcoming of executives
- Created an app with Glide and google spreadsheets to eliminate manual checking for vaccination status (COVID safety measures) and simplified the check-in procedure which resulted in over 50% reduction in check-in time

Education

Simon Fraser University Burnaby BC

Bachelor of Science, Software Systems – School of Computing Science Jan 2020 - (June 2025)

Relevant Courses: Web Development (A/A-), Database Systems (A+), Data Communications & Networking (A), Software Engineering (A-), Data Structures (A), Operating Systems (A), and Android Mobile App Programming (A-)