

Karl Rodriguez

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Education

Simon Fraser University

Burnaby, B.C.

Bachelor of Science in Computer Science

Relevant Coursework: Software Engineering, Web Development, Data Structures, UI/UX Design, Programming & Computer Science, Discrete Mathematics

Technical Skills

Languages: C/C++, Java, JavaScript, TypeScript, HTML, CSS, Python, SQL

Frameworks & Tools: React, Bootstrap, JUnit, Jest, MySQL

Personal Projects

Study Buddy | *JavaScript, HTML, CSS*

Dec. 2024

- Worked in a team of 3 to develop an AI study assistant powered by Gemini
- Developed an AI-generated multiple choice quiz feature
- Integrated Google Calendar and could modify events and receive reminders
- Implemented an AI chatbot to answer questions
- Assisted students with their studies by having the essential studying needs all in one place

Emergency Reporter | *TypeScript, HTML, CSS, Bootstrap, React*

Nov. 2024

- Collaborated with 4 other developers to create an online emergency reporting app
- Integrated a map displaying all reported incidents as markers using Leaflet API
- Allowed users to submit forms containing information about the emergency, such as the incident type and address
- Implemented a sortable table displaying all reported incidents data, including incident status, time reported, and emergency name

Recipe Finder | *TypeScript, HTML, CSS, React*

Oct. 2024

- Developed a website which allowed users to input what ingredients they had and got up to 10 recipes back
- Integrated the Spoonacular REST API to fetch recipe results
- Implemented cuisine and course filters for recipe results
- Helped users quickly to find recipes from the ingredients they already had

Weather Forecast | *JavaScript, HTML, CSS, React*

Aug. 2024

- Built a weather forecast app which told the user the current weather conditions at the entered location
- Integrated the Visual Crossing API to fetch current weather data
- Allowed any valid location to be entered and weather information, like current temperature and humidity, would be displayed
- Lets users view current weather conditions quickly in a neat matter