

Elena Jou

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SKILLS

Languages: JavaScript, Java, HTML/CSS, C, C#, SQL
Frameworks: ExpressJS, JUnit, React
Developer Tools: Eclipse, Firebase, Git, GitHub, VS Code, TortoiseSVN, SQL Server, Visual Studio

INTERNSHIPS

Software Developer | Co-op **May 2024 – Present**
Tidalis Burnaby, BC

C#/SQL/TortoiseSVN

- Collaborated with developers to build a system that currently processes over \$7 billion in port revenue.
- Developed software solutions tailored to the specifications of various high-traffic port workflows.
- Improved development efficiency by writing scripts to automatically generate large datasets for testing within seconds, optimizing a process that usually took over 20 minutes per case.
- Designed and programmed over 40 fee configuration items compliant with customer requirements and maritime regulations, responsible for complex billing calculations and validations.

PROJECTS

Mobile Wedding E-invite | personal | isaypuy.web.app **Aug. 2024 – Sep. 2024**

React/CSS/Firebase/JSX

- Developed an interactive mobile invite system that served over 70 customized Spanish invitations.
- Created modular, elegant and interactive UI components.
- Implemented Firestore to extract guest information and trigger custom behaviors (to view an example use +1(647)704-2430 as input).

Typing Turtle | personal | elenajou.github.io/typing-turtle **Feb. 2024**

React/JSX/GitHub Pages

- Built a dynamic web application for typing practice, with a focus on seamless interactivity.
- Created an engaging, tactile experience by maintaining dynamically updated state on user input.
- Utilized GitHub Pages for deployment and hosting for ease of access.

GrocerEase | academic | bby02-grocerease.web.app **Sept. 2023 – Oct. 2023**

HTML/CSS/NodeJS/Firebase/Javascript

- Developed an application that auto generates a grocery list based on the users' favorite recipes.
- Designed and built intuitive, interactive components and interfaces.
- Created a robust database schema, alongside a layer of authentication, for storing lists and recipes

WORK EXPERIENCE

Applications Engineering Specialist **Jul. 2021 – Nov. 2022**
Avidbots Corp. Kitchener, ON

- Assisted the support team by troubleshooting hardware and software malfunctions on active robots at different facilities.

EDUCATION

British Columbia Institute of Technology, 3.7 GPA (90%) **2023 – Present**
Computer Systems Technology Diploma, Co-operative Program Burnaby, BC

University of Waterloo **2014 – 2019**
Bachelors of Applied Sciences in Mechanical Engineering, Co-operative Program Waterloo, ON