Jordan Clough

jordan_clough@sfu.ca | 778-689-3007 | LinkedIn | Website

TECHNICAL SKILLS

Programming Languages		Skills
Python	JavaScript	AI Development / PyTorch
C & C++	TypeScript	Web Development / React
Swift	SQL	Mobile Development

PROJECTS

Exoplanet Machine Learning Classifier   Python, PyTorch, Data Science, ML

- Developed a classifier to detect whether a planet orbiting a star was a false positive or a confirmed planet based on lightcurve data from NASA's TESS Space Telescope.
- Implemented and evaluated multiple classification models, including neural networks, to determine the most effective architecture for exoplanet detection.
- Automated the data ingestion and preprocessing pipeline for handling large-scale TESS lightcurve datasets.
- Preprocessed raw lightcurve data by removing noise and normalizing flux values to enhance data quality.

Fitness Tracker IOS App   Swift, Firebase

- Engineered an app for users to track their distance and speed so they can monitor crucial metrics in real time
- Implemented intuitive user interfaces using SwiftUI to display detailed activity insights, including activity history, progress tracking, and visual map
- Developed a post-activity analysis feature, enabling users to review and gain insights into their completed activities.
- Integrated Firebase to enable user authentication and store activity data securely in the cloud

                                                                              Python, Tkinter, SQL

Database GUI

- Developed an intuitive GUI that enables users to seamlessly sort, filter, search, and interact with data stored in a Microsoft SQL Server database
- Integrated back-end database operations with a user-friendly front-end, ensuring efficient data manipulation while maintaining data integrity and validity
- Enhanced responsiveness by optimizing SQL queries and ensuring efficient communication between the GUI and the database.
- Built-in data validation rules and assertions to prevent incorrect entries, ensuring the integrity of stored records.

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Personal Website   React, HTML, JavaScript, CSS

- Designed an intuitive and iterative website to breathe life into a personal website to showcase skills and projects
- Programmed a flexible front end using a framework that allows users to view the website from a multitude of devices including desktop and mobile screen sizes
- Built reusable components in React to enhance code modularity and scalability.
- Added a contact form with email functionality using a serverless backend service.

WORK EXPERIENCE

The Keg Steakhouse + Bar

Server   Nov 2023 – Current

- Providing exceptional customer service by efficiently taking orders, delivering food and beverages, and ensuring guests enjoy their experience
- Proactively addressed customer inquiries and adjusted service to meet specific preferences or dietary restrictions, to provide an experience tailored to the guests.
- Handling multiple tables simultaneously, managing customer needs efficiently and ensuring prompt service, while collaborating with team members to maintain a smooth and coordinated workflow.
- Built rapport with regular guests, fostering loyalty and repeat visits by remembering preferences and providing personalized service.

Lead Host   Nov 2021 – Nov 2023

- Managed a team of hosts, delegating tasks and responsibilities to ensure an efficient and organized front-of-house operation.
- Handled guest inquiries and concerns, ensuring positive experiences and resolving conflicts when necessary to maintain a welcoming atmosphere.
- Resolved guest concerns or complaints promptly and professionally, ensuring their satisfaction and reinforcing a positive reputation for the restaurant.

EDUCATION

Simon Fraser University   Est. Graduation: April 2026
Bachelor of Science in Computer Science, Third Year

Relevant Course Work:

Data Structures and Algorithms	Computer Simulation	Computer Systems	Web Development
Computational Data Science	Artificial Intelligence	Database Systems	Visual Computing

AWARDS AND ACCOMPLISHMENTS

Kodiak Klassic Award

- Demonstrates service, leadership and volunteerism in the school community, character, work ethic and sportsmanship on the basketball court and scholastic success in the classroom