Fisher Munson-Warnken

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Technical Skills

Languages: Python, Java, C++, C, Assembly **Backend:** Django, RESTful APIs, PostgreSQL, SQL
Frontend: React, JavaScript, HTML5, CSS3 **Tools & Concepts:** Git, Linux/Unix, Figma, OOP, Algorithms

Projects

Crash Tested   December 2025
UBC Data Quest Hackathon, Vancouver, BC
- Built a classification model to evaluate the Vancouver metropolitan area economic climate in the event of a recession.
- Took on the role of lead developer, utilizing **Python** libraries such as **Pandas**, **Numpy**, and **Scikit**.
- Trained on 30,000 data points, the model showed that crisis periods are not statistically significant to business license purchases.

MineCraft Newsletter Prediction Model
Personal Project   June 2025
- **Python** Machine Learning project using **K-NN** algorithm to classify UBC MineCraft players as likely or unlikely to subscribe to a weekly newsletter.
- Used 5-fold cross validation to tune for an optimal k, boasted an F1 score of 0.86 and an accuracy of 0.972 on the test set.
- The results of our model were used to target the newsletter to a specific subset of players, ensuring proper resource allocation from the server moderators.

CRIBS
nwHacks, Vancouver, BC   December 2024
- Designed and built a full-stack housing marketplace application to streamline short-term rental communication between landlords and tenants.
- Implemented a **RESTful** backend in **Django** with **PostgreSQL**, designing relational schemas and API endpoints to support user authentication.
- Prototyped UI/UX flows in Figma prior to development to reduce implementation friction and improve usability.

Anderson-Darling Normality Analysis
Personal Project   November 2024
- Designed and implemented an **object-oriented** statistical analysis engine in **Java** to evaluate dataset normality using the Anderson-Darling test.
- Implemented quantile and cumulative probability computations for normally distributed data using numerical approximation methods.
- Built **JSON-based** state persistence to enable save/load of analysis sessions.

WORK EXPERIENCE

Media Director   December 2024 – Present
UBC Brazilian-Jiu Jitsu, Vancouver, BC
- Develop and manage club communications by creating informational content, coordinating with Canadian BJJ organizations, collaborating with executives, designing merchandise, and supporting event organization to promote a consistent club ethos.

Line Cook   May 2024 – August 2025
The Spot on the Dock, Burlington, VT
- Worked in a high speed environment, ensuring adequate service and quality through teamwork and communication
- Boasted the largest service in the greater Burlington area, awarded the best outdoor dining experience in 2024.

Visual Merchandising and Customer Service   May 2023 – August 2024
REI Co-op, Burlington, VT
- Collaborated with team members to serve 100+ customers daily, using knowledge of outdoor goods to increase sales and maintain a positive customer experience.

Media Design and Videographer,
Habitat for Aviation, South Burlington, VT   July 2022 – September 2022
- Produced promotional video for an upcoming aviation school in Waitsfield, Vermont.
- Worked with Beta Technologies to highlight the need for pilots and engineers of the ALIA electronic aircraft.

EDUCATION

Combined Major in Computer Science and Statistics   September 2023 – May 2027
University of British Columbia, Vancouver, BC
- Average: 83.3% ~ 3.9/4.2 GPA

CERTIFICATION

Google Cyber Security	**Digital Marketing**	**SQL basics Certificate**	**Python basics Certificate**
Google Cert · 2025	Hubspot · 2024	Hackerrank · 2025	Hackerrank · 2025

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