

ERIC SEPPANEN

+1 (604) 328 3322 ✉ ets4@sfu.ca 📁 [Portfolio](#) [LinkedIn](#) [GitHub](#) 📍 Vancouver, BC

Technical Skills

Programming Languages: Java, Python, C, C++, JavaScript, Ruby, SQL, Matlab, HTML, CSS

Libraries: NumPy, pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch

Developer Tools: Git/GitHub, Jira, Docker, Pycharm, AWS

Technologies/Frameworks: React, Node, Django, Next.js, Flask, Ruby on Rails

Technical Projects

PlanSFU | *React, Ruby on Rails, SQL*

September 2024 – Present

- Designed and implemented a robust database by leveraging the SFU REST API to dynamically extract, clean, and transform data for over 3,000 courses across different terms, creating a scalable back-end with an efficient schema.
- Developed a robust logic parser to convert complex prerequisite statements into structured boolean expressions, enabling automated filtering of eligible courses based on user progress and completed prerequisites.
- Collaborated with a team of 5 students within a cross-functional team to integrate back-end functionality with the front-end interface, ensuring seamless data flow and alignment with the overall project objectives.

Age & Gender Prediction Model | *Python, React, Flask, Tailwind*

November – December 2024

- Built a full-stack application for age and gender prediction, leveraging a React frontend and a Flask backend to process user-uploaded images using pre-trained DNN models in OpenCV.
- Designed and implemented features such as sample image testing, dark mode with ripple animation, and a download option for processed images, creating a modern and user-friendly interface.
- Integrated a robust image upload pipeline that handles user-provided images and sample files, ensuring compatibility with the prediction models and a seamless user experience.

Football Data Dashboard | *Python, PostgreSQL, Streamlit, Plotly, Pandas*

June – July 2024

- Developed a Python-based data pipeline that fetches real-time football league standings data from the API-SPORTS API, storing the data in a PostgreSQL database to facilitate efficient data retrieval and analysis.
- Designed and created an interactive dashboard using Streamlit to visualize football league standings and team statistics, providing users with intuitive access to performance metrics across many top leagues.
- Optimized API requests by implementing rate-limiting strategies and efficient query handling, reducing redundant calls and ensuring compliance with API usage policies while improving data retrieval speed by 20%

Work Experience

RWA Group Architecture

July 2023 – Present

Content Production Assistant

Remote – Part-time

- Utilized Adobe Premiere Pro, After Effects, and Photoshop to deliver polished, professional-grade promotional content.
- Collaborated with clients to understand their vision and objectives, adapting to evolving demands to create video content tailored to their specific needs and preferences for use on their website.
- Managed end-to-end video production, including conceptualization, editing and post-production tasks, while meeting tight deadlines and maintaining consistent quality.

Bufala Edgemont

August 2021 – Present

Cook

Part-time

- Created menu items that became top-selling dishes, showcasing creativity and understanding of the customer-base
- Worked with a team to develop seasonal menus and special recipes, enhancing customer satisfaction and engagement.
- Ensured efficient kitchen operations by maintaining inventory, managing food costs, and adhering to safety standards.

Education

Simon Fraser University

September 2022 – Present

Bachelor of Science, Computing Science

Burnaby, BC

Key Courses: *Data Structures, Algorithms, Computational Data Science, Database Systems.*

Awards & Credentials

- Presidents Honour Roll** – Spring 2024
- Deans Honour Roll** – Spring 2024, Fall 2024
- High School Valedictorian** – Handsworth Secondary School, Class of 2022