GABRIEL ASENCIOS

+1(438) 542-9928 ◇ Montréal, QC H3G 1A9
gabriel.asencios98@gmail.com ◇ LinkedIn ◇ GitHub

OBJECTIVE

Last year Computer Science student specializing in AI and Machine learning. Experienced in implementing and evaluating advanced architectures, including Transformers, LSTMs, and CNNs, for complex tasks like time-series forecasting and image classification. Eager to contribute to a high-performing engineering team and grow alongside experienced peers to launch robust and impactful products.

EDUCATION

Bachelor of Computer Science, Concordia University — Expected 2026
Relevant Courses: OOP, Data Structures and Algorithms, Web Programming, Operating Systems, Computer Networks, Databases, Big Data, Machine learning, and Deep Learning.

TECHNICAL SKILLS

Programming	Java, Python, JavaScript, HTML, CSS, C++, React, SQL, NodeJS, PyTorch, Scikit-learn
Tools	MySQL, Jupyter Notebook, Google Colab, WireShark
Systems	Windows/Mac OS, Linux, Git, VScode, MS Office, Docker

PROJECTS

Retrieval Augmented Time Series Forecasting. [LINK]

Core: Pytorch | Python

- Reproduced the RAFT framework by integrating a shallow MLP forecaster with a similarity-based retrieval module to capture long-term historical patterns.
- Validated performance across 10 multivariate benchmark datasets using MSE and MAE metrics , achieving results comparable to the original paper (e.g., 0.387 MSE on ETTh1 and 0.177 MSE on ETTm2).
- Extended evaluation to a non-stationary e-commerce sales dataset , establishing a new benchmark with an MSE of 1.904 to test model generalization in business settings.

Airplane Shooting Game. [LINK]

Core: OpenGL | C++

- Implemented a 3D airplane shooting game in C++ with OpenGL, featuring Phong lighting, dynamic shadows, and collision-based despawning of airplanes.
- Designed and animated a hierarchical airplane model (spinning propellers and moving body) with smooth transformations and real-time user controls.
- Built a custom rendering engine supporting shaders, textured 3D models, and dynamic camera movement.

WORK EXPERIENCE

Bartender/Runner — Sept 2022 - April 2024
LOV McGill — *Montreal, QC*

- Collaborated with cross-functional teams (kitchen, service staff) to optimize workflow and ensure timely delivery under high-pressure environments
- Managed multiple concurrent tasks while maintaining attention to detail and quality standards during peak service hours
- Provided exceptional customer service through clear communication, active listening, and rapid problem-solving