Thomas Peschlow

English, French, Spanish [spoken and written]
Montreal, Qc, Canada
thomas.p24@live.com | LinkedIn | GitHub

Skills

Machine Learning, Computer Vision, Geometry Processing, CI/CD pipelines, AWS, 3D modeling

Education

Concordia University
September 2021 | May 2024
BFA | Major in Design, Minor in Computer Science
Focus on industrial/object/architectural design, and completion of extra credit in computer science.

Université de Montréal / MILA
September 2024 | May 2026 [anticipated]
MSc | Computer Science
Research in neural methods for geometry processing. Supervised by prof. Noam Aigerman.

Publications

Explainability Paths for Sustained Artistic Practice with AI
Austin Tecks, Thomas Peschlow, Gabriel Vigliensoni
https://arxiv.org/abs/2407.15216

Certifications

AWS Certified Cloud Practitioner
Valid until June 2027

Experience

National Bank of Canada | Senior Fullstack Developer - AI Engineering
May 2024 | October 2025
Internship until August 2024. Part of the bank's AI Factory team, which specialized in building and maintaining all chatbots in the bank. Tasks included Cloud deployment, developing RAG systems, scraping systems, and the backend system for all chatbots.

Concordia Sensor and Computation Lab | Intern
January 2024 | May 2024
Technical and programming assistance to students' projects in the Computation Arts program. Held workshops on machine learning applications on edge computing devices. Creation of machine learning workflows for biometric data using edge devices in artistic contexts.

Concordia University | Research Assistant, ML Pipelines
October 2023 | May 2024
Under the supervision of prof. Gabriel Vigliensoni. Managed training data and execution for deep learning models based on the RAVE architecture. Involved the usage of high performance computing nodes provided by the Digital Research Alliance of Canada.

Racine Design | Intern
January 2022 | June 2022
Assisted design and production management in a small firm specializing in 3D printing for tailor made footwear for the performing arts. Implementation of an automatic sizing system destined to accelerate production and promise greater component precision (Rhino/Grasshopper).

Abzac S.A. | Graphic Designer
March 2020 | March 2023
3D modeling and rendering to facilitate presentation of personalized or currently yet to be finished products to clients of an industrial packaging company.

Jatoba | Front of House
July 2019 | October 2023
Worked as a busboy and runner in a high volume, upper scale restaurant.