6822 Korczak Crescent
Montreal, QC H4W2W5
Canada

Adam Geenen
Canadian & Dutch citizenship

+1-514-452-9399
adamgeenen@gmail.com
https://geener.github.io/
https://github.com/Geener/
https://www.linkedin.com/in/adamgeenen/

EDUCATION

McGill University (3.82 GPA)   **Montréal, Canada**
Bachelor of Software Engineering   *Fall 2020 - May 2024*
Awards: Excellence scholarship for Software Engineering, Member of Golden Key Honor Society (top 15% of program)
Relevant Coursework: Artificial Intelligence, Machine Learning, Algorithm Design, **Algorithms & Data Structures**
Clubs: McGill Artificial Intelligence Society, TAMID McGill

EMPLOYMENT HISTORY

Software Engineering Intern, Ernst & Young   May 2023 - August 2023
- Independently developed a mobile app for a prestigious military group that utilized a Large Language Model (LLM) to promptly address user inquiries, resulting in contract negotiations valued at $800,000.
- Pioneered the implementation of a website that seamlessly integrates an LLM to operate locally, enabling users to upload PDF documents for comprehensive inquiries without the need for an internet connection.
- Worked with **Python**, **LangChain**, **Flutter**, React, TypeScript, Flask

Data Science & Engineering Intern, HSBC   May 2022 - September 2022
- Established an advanced pipeline for crafting synthetic time-series financial data via generative adversarial networks (GANs), achieving a synthetic data quality score of 91.
- Utilized machine learning and data visualization techniques to analyze a dataset spanning hundreds of thousands of hours of server data, resulting in a 28% reduction in carbon emissions.
- Worked with **Python**, **NumPy**, **Pandas**, Matplotlib, Seaborn, TensorFlow, Keras

EXTRACURRICULAR EXPERIENCE

TAMID McGill   **Montréal, Canada**
Director of Technology   Fall 2022 - Ongoing
- Connected with company founders and determined product requirements
- Organized meetings with industry professionals to improve the team's technical skills
- Conducted weekly presentations with company founders and stakeholders to provide consultation and project progress updates

Project Manager   Winter 2022
- Managed a team of 7 software engineering students in developing a customer portal for a medical startup
- Scheduled project development timeline

Software Engineer   Fall 2020 - Fall 2021
- Developed a website for PennyWell, an Israeli startup that connects charities and volunteers, using Django framework
- Designed the UI and UX of the mobile app for NoHouse, a daily fantasy sports startup, using Flutter

PROJECTS

McGill Chatbot   Python, LangChain, OpenAI, BeautifulSoup, FAISS
- Developed a comprehensive chatbot leveraging web scraping techniques to extract and compile up-to-date information from the official McGill University website.
- Integrated a Large Language Model (LLM) with conversational memory, enabling the chatbot to provide accurate answers about McGill University while engaging students in dynamic, coherent conversations.

March Madness Predictor   Python, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn
- Applied a Random Forest Regressor model to the reformatted and engineered data to generate accurate predictions for the outcome of the male and female NCAA March Madness competition.
- Conducted model selection and tuning exercises, considering various algorithms and their parameters optimizing performance and predictive accuracy.

Book Recommendation Website   React, Node.js, MongoDB
- Designed and implemented a dynamic full-stack website that employs personalized algorithms to offer book recommendations, leveraging users' historical reading patterns and ratings.

LANGUAGES, TECHNOLOGIES, TOOLS & INTERESTS

Languages & Technologies: Python, Java, React, LangChain, Flutter, Node.js, Pandas, TypeScript, JavaScript, NumPy, CSS, HTML, Matplotlib, Seaborn, SQL, OCaml, Azure, AWS, Flask, C, Scikit-learn, TensorFlow, Django, MongoDB, Linux, ARMv7, Keras
Spoken Languages: English, French, Hebrew
Interests: AI, Data Science, Basketball, Hockey, Cycling, Snowboarding, Tennis, Swimming, Poker, Chess