Jeffrey Bringolf

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PROFESSIONAL EXPERIENCE

GENERAL ELECTRIC   **Remote (Contract, Seasonal)**
SOFTWARE DEVELOPER   **JUN 2021 - Present**
- Optimized the memory usage and speed of the in-house Snappy module for data pulls by 86% and 42% respectively.
- Streamlined renewable energy forecasting by replacing VBA functionality with two new Python scripts which forecast the construction of renewable generators up to 2050 based on state-level renewable energy targets.
- Improved the security of the Snappy (in-house module) server by adding authentication through an existing Active Directory using LDAP.
- Improved energy engineers' efficiency by developing ~10 scripts which automate report generation which was previously done manually.

JOHN ABBOTT COLLEGE   **Montreal, QC (Part Time)**
PROGRAMMING STUDENT-TEACHER   **SEP 2022 – NOV 2022**

- Taught basic programming concepts to CEGEP students in a non-accredited after school course.
- Developed courses and slides weekly alongside school and other work commitments.
- Clearly explained programming concepts to students who have never been introduced to the field.
- Several students decided to pursue programming or computer science after taking the course.

LAKESHORE SOCCER CLUB   **MONTREAL, QC (Part Time)**
SOCCER COACH & VIDEO EDITOR   **Jan 2016 - Apr 2021**
- Coached youth soccer at my club.
- During the COVID-19 pandemic, I began making training videos to allow players to continue training and practicing at home.

EDUCATION

CONCORDIA UNIVERSITY   **Montreal, QC**
Bachelor of Computer Science in Computer Science   **2023 - Present**
- Awarded the NDT Technologies Inc. Scholarship for Engineering and Computer Science.
- Awarded the Gina Cody School Entrance Award.

JOHN ABBOTT COLLEGE   **MONTREAL, QC**
DEC IN COMPUTER SCIENCE TECHNOLOGY   **2020 - 2023**
- Grade: 98% CS avg. 36 R Score
- Awarded the Academic Excellence Award for the highest overall average in the Computer Science program.
- Head of the game development club, teaching first and second years the basics of Game Development.
- Member of the rock-climbing club.

SKILLS AND PROJECTS

- Technical Skills: Python, Java, JavaScript, HTML/CSS, C#, SQL, MongoDB, Git, HG, NumPy, Pandas, React, experience with Data Structures and Algorithms, Android and Cross-Platform mobile application development in (Java, .NET MAUI, Flutter), Web Development, Unix/Linux.
- Languages: Fluent in English (native), working proficiency French
- Portfolio / Personal Website (https://JeffBrin.github.io)
- YouTube (https://www.youtube.com/@JoffLobster)
- Pokémon Tower Defense (https://jeffbrin.github.io/PokemonTowerDefensePlay/)
- SHFT – IoT Farming Container Application (https://github.com/jeffbrin/SHFT)