Adam Weiss

914-708-7586 | adam.weiss@mail.mcgill.ca

Summary

Computer science student with strong and varied experience seeking opportunities to develop skills. Focused, thoughtful programmer, innovative thinker, and effective team member.

Education

McGILL UNIVERSITY, Montreal, Canada | Class of 2022 8/19 – Present
- Major: Computer Science | Minor: Mathematics | GPA: 3.53

BLIND BROOK HIGH SCHOOL, Rye Brook, New York 9/15 – 6/19
- GPA: 4.07 on 4.0 Scale

Experience

ELECTRICAL SCIENCE, Port Chester, New York 5/19 – 6/19
Programming Intern, reporting to President
- Designed automatic file conversion systems and developed audio retrieval software.
- Achieved 20X speed improvement by rewriting Perl program in C.

ZANIAC, Greenwich, Connecticut 3/17 – 8/19
Paid Instructor
- Taught K-8 technology education programs including Unity and Java.

TEMPLE KTI, Port Chester, New York Summer 2017, 2018
IT Volunteer, reporting to Executive Director
- Reorganized enterprise server to make system more user-friendly and efficient.
- Designed program to automate file naming.

Computer Skills

- Languages: Java, Python, C, MATLAB, OCaml
- Tools: Linux command line, Git
- Visualizing and applying machine learning techniques to datasets
- Team projects; communicating with other developers

Activities

Reboot McGill (Hardware repurposing club), McGill University - President 9/19 – Present
- Led recruitment efforts.
- Procured electronic products to redistribute/repurpose among student community.
- Will lead computer hardware workshop for general public.

Notable Coursework

Software Design Fall 2020
- Implemented common Object-Oriented design patterns.
- Designed and documented large projects in Java; produced Unit Tests.

Honours Data Structures and Algorithms — Winter 2020

- Analyzed common algorithms (e.g. sorting/searching/compression).
- Analyzed common data structures (e.g. various types of graphs) and analyzed applications.

Applied Machine Learning — Fall 2020

- Implemented classic and cutting-edge machine learning algorithms.
- Applied machine learning techniques to real world data, e.g. COVID analytics.
- Applied mathematical techniques for derivation of machine learning algorithms.

Programing Languages and Paradigms — Fall 2020

- Implemented programs in OCaml.
- Final project will be an interpreter for a functional language.

Research

Honours Project in Computer Science — Winter 2021

- Will work under supervision of Professor Xujie Si.
- Will apply machine learning to software engineering.