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🎓 EDUCATION

Bachelors_of_Science.McGill_University.Montreal.Canada ----- Sep 2020 - Dec 2024

- Major in Computer Science, Minor in Mathematics (3.4/4 CGPA)
- Relevant courses: Integrated Management Essentials; Algorithms and Data Structures; Software Design; Database Systems; Distributed Systems; Natural Language Processing

Exchange_Semester.Lund_University.Lund.Sweden ----- Sep 2023 - Dec 2023

💼 PROFESSIONAL EXPERIENCE

Intern_then_Software_Developer.PixMob.Montreal.Canada ----- May 2023 - Aug 2024

- Designed, implemented and tested features in a web application for 3D light show visualization using Three.js and React TypeScript, including dynamic 3D camera transitions and visual effects for the building components within the 3D arena
- Developed and maintained backend systems using Prisma, PostgreSQL, and Firebase, transforming an application into a scalable CRUD platform to streamline tailored access to inventory and resources for internal employees and clients
- Shaped and implemented a scalable over-the-air device firmware update feature by integrating multiple systems, including a web application's front-end and back-end, and a bridge application for polling over 90,000 devices status in the database.
- Designed Figma mock-ups for intuitive and user-centric interfaces, customized to meet the needs of diverse user types

Intern_Developer.Raymond_Chabot_Grant_Thornton.Montreal.Canada----- May 2022 - Apr 2023

- Designed and developed a PowerBI integrated application that manages the comments of financial statements, and the relation between the CFO and the accountants. The app was sold to two clients for over 80,000\$

Coding_Teacher.BLI.Montreal.Canada ----- Sep 2021 - May 2022

- Designed a Python programming course and taught it to over 20 high school teenagers
- Guided students to come up with creative and optimal designs for their programs, developing their critical thinking and problem solving skills

🔧 PROJECTS

Get_me_MyCourses

- Created a Python bot using Selenium and BeautifulSoup to automate the retrieval and local organization of newly uploaded course material from "myCourses", McGill's learning management system, saving time and increasing productivity

2022_FIFA_World_Cup_Predictor

- Developed an SVM model using historical international game results and team ratings from video game datasets to predict match outcomes. Built a Django-based user-facing app that accurately predicted the 2022 FIFA World Cup final (France vs. Argentina) and crowned Argentina as the winner

What_Makes_a_Movie_a_Hidden_Gem

- Explored the relation between hidden Gem xScore and some of the other specifications of a movie such as language, length, director, IMDB rating etc, to determine the most important factors in the attribution of a good hidden gem score, using R for the analysis

🌟 EXTRACURRICULARS

- McGill Codejam Hackathon organizer and backend workshop instructor (Node.js, Express.js, MongoDB, Postman)
- Football player participating in intramural tournaments for four years, winning the championship once
- Graffiti amateur and enthusiast

🌐 LANGUAGES

- English: Fluent; French: Fluent; Arabic: Fluent; Spanish: Basic