Jonathan Kim *Software Engineer*

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PROJECTS

Conceptualization and Integration of a Database on a Website   2023
- Conceptualization of a relational model and UML diagram from a proposal
- Database integration with an SQL script
- Adding web page support to display and assign data on the server

Technologies : CSS, DrawIO, PostgreSQL, JavaScript, SQL, Node

Embedded System Integrator Project   2022
- Construction of a hardware and software system based on an ATMEGA microcontroller board.
- Application of computer system realization methods and basic concepts of sustainable development within a team.
- Use of version control tools and project management

Technologies : C++, Make, Ubuntu/Fedora, Git, Visual studio code, Redmine

C++ Term Project - Object-Oriented Program   2022
- Designed and implemented a text-based adventure game played in a command line interface
- Developed features by integrating advanced object-oriented programming principles
- Continuously improved code with good programming practices and optimization algorithms

Technologies : Git, C++, Boost, TCLAP, GSL, Visual Studio

TECHNOLOGIES

Programming Languages:

C, C++, C#, Python, Java, SQL, UML, JavaScript, x86 assembly, Make, CSS, HTML

Tools:

Enterprise Architect, Visual Studio, Visual Studio Code, JetBrains IDE, Git, PostgreSQL, Express, React, Node, Figma, MongoDB, Cypress, Qt, Teams, Excel, Word

EDUCATION

Bachelor's Degree in Software Engineering   2021 – present
École polytechnique de Montréal

DEC in Pure and Applied Sciences   2019 – 2021
Collège Marianopolis

PROFESSIONAL EXPERIENCE

Team Member (Cashier Barista Backup)   2021/06 – 2021/08 | Montreal, Canada
McDonald's
- Ensured compliance with food safety protocols and company standards, demonstrating a strong attention to detail in a high-pressure environment.
- Utilized point-of-sale (POS) systems to process customer transactions efficiently, enhancing technical skills in operating and troubleshooting computerized systems.
- Managed multitasking responsibilities by simultaneously taking orders and preparing beverages, showcasing effective time management and prioritization abilities.
- Supported the maintenance and operation of machinery, applying problem-solving skills to ensure seamless functionality and minimize downtime.

LANGUAGES

- English
- French

INTERESTS

- Artificial Intelligence
- Cybersecurity
- UI/UX Design
- Video Game Design
- Web Design
- Data Science