

Matthew Pan

[Portfolio Website](#) • [GitHub](#) • [LinkedIn](#) • matthewdukepan@gmail.com • Montreal, QC

SKILLS

Programming	Java • C++ • C# • Python • JavaScript • PHP
Web & Database	HTML • CSS/Bootstrap • MySQL • SQL Server
Frameworks	ASP.NET Core • MVC • Entity Framework • ReactJS • React Native
Tech	Git • Docker • Postman • Unix • LaTeX • Visual Studio • VSCode • IntelliJ • Eclipse • MS Office
Language	English • French • Mandarin Chinese

EDUCATION

Bachelor of Computer Science (Co-op), Concordia University 2019 – Now

Relevant Coursework: D.S. & Algorithms, Java OOP, Web Programming, Advanced Program Design C++

EXPERIENCE

Software Intern – Cloud Development Mtl, Jan – April 2021 (4 months)
Genetec Inc.

- I will start working at Genetec in January 2021, a company specializing in security technology. I will be developing modern microservice applications, both frontend and backend, and be involved in the full cycle of cloud development including CI/CD, from architecture to DevOps, with technologies such as React.js, TypeScript, Docker, C#, .NET Core, Azure, etc.

PROJECTS & EXTRACURRICULAR

Risk Warzone Game – C++, MVC Mtl, Sept 2020 – Now
Semester Long Project

- Led team of 5: organized meetings, helped teammates fix memory leaks & debug. Used the **Observer design pattern** and implemented all player orders logic which control the flow of gameplay execution. Learned how to better deal with C++ intricacies such as pointers/smart pointers, memory management, multiple inheritance, polymorphism, etc.

Commands REST API (Back-End) – ASP.NET Core, MVC, C#, RESTful APIs, Docker, SQL Server Mtl, Aug 2020
Personal Project ([GitHub](#))

- Built a **REST API** which stores command line code with their descriptions, frequently used by myself to remember commands essential to various development configurations.
- Used **EF Core ORM**, and the repository & **dependency injection design patterns** to encapsulate data access.
- Tested **CRUD** API endpoints with SwaggerUI, created a **Docker** image of my app and deployed it to **Azure**.

Online Grocery Store (Full-Stack) – HTML, CSS, Bootstrap 4, JS, PHP, MySQL Mtl, Jul – Aug 2020
Semester Long Project ([Website](#)) – ([GitHub](#))

- Led team of 6: organized meetings, delegated tasks, helped teammates debug, etc. Final grade of **100%**.
- Implemented the entire login system to allow **CRUD** operations on the user list and user validation.
- Designed the overall website concept/layout, implemented responsive home/aisle/product pages & deployed on Heroku.

Recipe Search API (Front-End) – ReactJS, Hooks, Asynchronous API (async/await), JSX Mtl, Aug 2020
Personal Project ([Website](#)) – ([GitHub](#))

- Created a website which can search for the recipes of thousands of dishes with the Edemam Search API & deployed to Google Firebase. Used by friends & family to cook delicious food.

VP Academic of the Software Engineering & Computer Science Society Mtl, May 2020 – Now

- Initiated a YouTube channel for the society and delivered live-streamed technical workshops (Git, Node.js, React, etc.) for **over 600 students**, receiving positive feedback from the viewers and companies I corresponded with such as Google and Autodesk.

Interests | Autonomous/electric vehicles, stock trading, AI, boxing, tennis, podcasts.