MATTHEW PAN

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EDUCATION

Bachelor of Computer Science (Co-op), Concordia University, **CGPA: 3.95/4.3**   2019-2022
Relevant Coursework: Java OOP, Web Programming, D.S. & Algorithm (Fall), Program Design C++ (Fall)

SKILLS

Programming	Java, C#, JavaScript, PHP, Python, C++
Web & Database	HTML, CSS, MySQL, SQL Server (SSMS)
Frameworks	Bootstrap, ASP.NET Core MVC, EF Core, React.js, React Native
Tech	Git, Docker, Postman, Unix, LaTeX, MS Office
Language	English, French, Mandarin Chinese

PROJECTS

CLI Commands REST API (Back-End)   Aug 2020
Personal Project (Website) — (GitHub)   *Montreal*

- Built a **REST API** which stores command line snippets with their descriptions
- Used **EF Core ORM** (DBContext), Migrations, DTOs & SQL Server Express for data access
- Used the repository & dependency injection **design patterns** to encapsulate data access
- Tested **CRUD** API endpoints with Postman & OpenAPI
- Created **Docker** image of app and deployed to Azure Cloud
- Used: **ASP.NET Core, MVC, C#, RESTful APIs, Docker**

Online Grocery Store (Full-Stack)   Jul - Aug 2020
Coursework: Semester long project (Website) — (GitHub)   *Montreal*

- Led a 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
- Created fully responsive home page and the aisle/product page templates for teammates to use
- Designed the overall website concept, layout & deployed on Heroku
- Used: **HTML, CSS, Bootstrap 4, JS, PHP, MySQL**

Recipe Search API (Front-End)   Aug 2020
Personal Project (Website) — (GitHub)   *Montreal*

- Created a website which can search for the recipes of thousands of dishes with the Edemam Search API
- Used: **React.js, Hooks (State/Effect), Asynchronous API (async/await), JSX**, CSS modules & deployed to Google Firebase

Mobile & Scripting   *Montreal*, Jan & Aug 2020
- Forest Fire Detection App: Hackathon 2nd Place, developed mobile app front-end using React Native (GitHub)
- GPU Web Scraper: Wrote a **Python** script using BeautifulSoup4 which scrapes graphics cards online (GitHub)

EXPERIENCES & OTHER

Journalist Intern:	Interviewed various personalities and generated over 100 000 views	*Beijing*, Summer 2019
Leadership:	-VP Academic of the Software Engineering & Computer Science Society	*Montreal*, Currently
	-1st Place for Air Canada's Sustainability & Supply Chain Case Competition	*Montreal*, Nov 2019
Interests:	Tesla electric cars, stock trading, AI, boxing, tennis, podcasts	