MASON LEITCH

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Technical Skills

Programming	Java • Python • C • C# • JavaScript
Web & Database	HTML • CSS • MySQL • SQL Server
Frameworks	ReactJS • ASP.NET Core MVC • Entity Framework
Tech	Git • Unix • Postman • VSCode • LaTeX • Docker • Android Studio

Projects

Health & Fitness App (Full Stack)   Sep. 2021 - Nov. 2021

- Led a team of 5, organizing meetings, delegating tasks, and working together with git to create a health & fitness app in Android Studio (Java)
- Utilized key software engineering concepts to model the app (use case modeling, domain analysis, class & UML model)
- Implemented a login system to allow CRUD operations on the user list and user validation

Command Line Commands REST API (Back End)   Nov. 2021

- Built a REST API to help catalog different useful CLI commands
- Used EF Core O/RM (DBContext), Migrations, DTOs, SQL Server for data storing & access
- Implemented Repository & Dependency Injection design patterns to encapsulate data
- Created CRUD API endpoints and tested them with Postman
- Generated documentation with Swagger & OpenAPI
- Other Tools Used: ASP.NET Core, MVC, C#

XML Parser & Item Gallery (Back End)   Feb. 2020

- Created a Python script using ElementTree to parse XML data from datamined game files
- Cross-referenced parsed XML data to create image galleries of upcoming items using Pillow

Education

Bachelor of Science: Computing Science   Sep 2019 - Present

University of the Fraser Valley

- Relevant courses include: Object Oriented Programming, Data Structures & Algorithms, Intro to Machine Architecture, Databases & DB Management Systems, Malicious Software & Attack Prevention, Operating Systems, Software Engineering

Academic Achievements & Awards

- B.C. Youth Philanthropy Initiative Winner ($5000 grant for local charity)   2017
- Outstanding Junior Award – Business Education Program   2018
- Dean's List (recognition for high academic standard, minimum 3.67 GPA)   2020

References Available Upon Request