Patrick Williamson

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EDUCATION

Mohawk College of Applied Arts and Technology — Ontario
Ontario Colleges Advanced Diploma in Software Development — *Jan. 2019 – Feb. 2022*

Mohawk College of Applied Arts and Technology — Ontario
Ontario Colleges Diploma in Software Support — *Jan. 2019 – Feb. 2021*

EXPERIENCE

Full Stack Web Developer | Support Developer — May 2021 – Dec 2021
Terentia — *Toronto, Ontario*
- Hit the ground running and immediately consulted with team leads and developers to get up to date on new codebase components
- Collaborated with lead designers to implement frontend pages according to stakeholder specifications
- Implemented multiple new pages and components, and other components which hooked into existing pages
- Worked on bug fixing tickets to isolate and patch client and server issues
- Added new backend API endpoints according to existing endpoint standards and practices
- Developed local Python scripts that allowed for mass migration of asset files from folder locations

Full Stack Web Developer — Oct. 2020 – Dec. 2020
Terentia — *Toronto, Ontario*
- Refactored pages and components from boilerplate code to be fully functional
- Consulted design documents to implement frontend pages according to specifications
- Worked with project lead to research, choose, learn, and implement FeathersJS backend framework
- Worked with project lead to implement and establish the first API endpoints
- Participated in educational meets with the CEO to fully understand what composes a Digital Asset Management system

PROJECTS

SmiBuilder | *NodeJS, Vue, Nuxt, SQL, Microsoft Azure* — 2022
- Developed a client plus API web application that allowed users to plan character builds for a game
- Styled using CSS plus Bootstrap, with a focus on ease of use
- Implemented authentication and authorization using JWT
- Multiple account types allows for different levels of authorization
- Has a logging system which allowed Admins to view statistics such as most used items and characters

WifiWizard | *Unity, C#, Python, Blender* — 2021
- Developed an educational game for the networking department of Mohawk College
- The goal of the game is to allow players to place internet access points and visualize the range
- Features full 3D graphics, movement and an inventory system
- Implemented a score exporting system and processor using Python

TECHNICAL SKILLS

Languages: Python, SQL (SQL, MySQL, Postgres, PL/SQL), Javascript, Php, HTML/CSS, C# (.net), Java
Frameworks: Node.js, Vue (Nuxt), Angular, React, Django, WordPress, ExpressJS, FeathersJS
Developer Tools: Git (Github, Sourcetree), Microsoft Azure, Jira, VS Code, Visual Studio (2019, 2022), Pyzo, PyCharm, Eclipse, IntelliJ
Libraries: pandas, NumPy, Matplotlib, luxon, unittest