KEVIN HONG

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Education

Bachelor of Computer Science   **2020 - 2024**
Concordia University, Montreal, QC

DEC in Computer Science   **2018 - 2020**
Champlain College, St-Lambert, QC

Work Experience

3D Developer   **Jan 2022 – May 2022**
Ubisoft, Montreal, QC
- Implemented several transparency techniques on 3D models using shaders to evaluate their feasibility and impact on performance.
- Developed 3D tools and helper features to existing products enhancing visibility and performance of models using WebGL with ThreeJS library and GLSL.
- Resolved various front-end and back-end production bugs and improvements with Angular and TypeScript, using Scrum to prioritize requirements and CI/CD pipelines to continuously iterate.

Computer System Analyst   **May 2021 – Aug 2021**
Régie de l'assurance maladie du Québec (RAMQ), Quebec, QC
- Analyzed potential solutions for overhauling a legacy project.
- Rewrote a legacy application from Visual Basic (VB6) to a modern version in C# with .NET.
- Created up-to-date documentation and unit tests for the updated project.

Back-End Developer   **Feb 2020 – May 2020**
Delisoft, Longueuil, QC
- Updated and modernized Delisoft's website using the Laravel Framework in PHP and JavaScript.
- Reformatted and cleaned existing website code to improve readability by up to 50%.

Projects

Machine Learning: Image Classification using CNNs   **2023**
Concordia University, Montreal, QC
- Developed a Convolutional Neural Network (CNN) model trained with 3 distinct datasets for image classification using Python, PyTorch, and TensorFlow for implementation.
- Implemented ResNet-18 architecture and t-SNE for visualization of high-dimensional features.
- Applied K-Nearest Neighbors and Support Vector Machine for classification of extracted features.

Final Project for Cegep CS Program   **2020**
Champlain College, St-Lambert, QC
- Year-long project providing an e-commerce system framework to satisfy a client's need.
- Back End built with ASP.NET MVC 5 framework with C#, MSSQL for database and hosted on Azure.
- Front End built with HTML 5, CSS, Bootstrap 4, Razor (C#) and JavaScript.

Skills & Interests

Programming Languages│ C++, C#, Python, Java, SQL, PHP, JavaScript/TypeScript, OpenGL
Tools and Technologies │ ASP.NET, Angular, Git, Unity, Docker, VirtualBox, Visual Studio, QT
Framework | Agile/Scrum Methodology
Interests │ Sports and Basketball, Weightlifting, PC Gaming, Music