Katie Liu

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PROJECTS

Websites to mimic an online store [GitHub], personal website [GitHub], forms   **Jan-Apr. 2022**
Seneca College   *North York, ON*
- Used HTML5, CSS stylesheets, CSS box models, flexbox
- Wrote JavaScript functions, event handlers, made DOM API calls to manage dynamic content
- Designed forms, used POST, field validation using regex and JavaScript
- Used Node.js and Visual Studio Code.

C++ program to mimic management of inventory items [GitHub]   **Apr. 2022**
Seneca College   *North York, ON*
- Coded an abstract base class and two derived classes to represent perishable and non-perishables
- Used dynamic memory allocation and clean up, tested for memory leaks with valgrind
- Used virtual functions, overloading, shadowing
- Read and wrote to a file

Python scripts for animation in Autodesk Maya   **Aug. 2021**
3D Animator, Guru Studio   *Toronto, ON*
- Coded and presented scripts to a group of animators
- Scripts saved animators time by automatic repetitive tasks
- Scripts allowed animators to save/load data, and allowed for easy selection of various parts of the 3D models

Python scripts for animation in Autodesk Maya   **Feb. 2018**
3D Animator, DHX Studios   *Halifax, NS*
- Was requested to build a tool for animators to use on an upcoming project, Rev & Roll
- Tool allowed animators to select parts of each 3D model, and automated some repetitive tasks
- Designed and presented the tool to a large team of animators
- Tool was versatile and was later used by animators on multiple projects

EDUCATION

Seneca College   **Sep. 2021 – Apr. 2025 (Expected)**
Computer Programming & Analysis, Ontario College Advanced Diploma   *North York, ON*
- President's Honour List Winter 2022 & Fall 2021
- MBNA Scholarship Winter 2022
- Varsity Athletic Scholarship, Winter 2022 & Fall 2021
- Varsity badminton athlete, placed 4th at College National Championships

SKILLS & INTERESTS

- **Skills:** HTML5; CSS; JavaScript; Node.js; Visual Studio Code; GitHub; C++; Python; Java; Oracle SQL; Bash; Word/Excel/PowerPoint; UML; strong oral and written communication skills; presentation skills; leadership skills
- **Interests:** Badminton; singing; chess