Mohamed Kazma

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LINKS

Github:// **moekaz**
LinkedIn:// **mohamed kazma**

EDUCATION

CARLETON UNIVERSITY

BS in Computer Science
Expected May 2019 | Ottawa, ON
Cum. GPA: 3.5 / 4
Major GPA: 3.55 / 4

SKILLS

LANGUAGES:
C++ • C • C# • Java
JavaScript • CSS • HTML

FRAMEWORKS:
Node.js • Pug(Jade) • Express.js

TECHNOLOGIES:
SQL • MongoDB • Unity • Git

LIBRARIES:
OpenGL • GLSL • SFML • JQuery •
Socket.io

EXPERIENCE

CARLETON UNIVERSITY | Teaching Assistant
September 2017 - May 2018 | Ottawa, ON
- Assisted with second-year data structures and web development
- Held office hours to help students understand course material as well as approach problems they are facing

PROJECTS

FLYING UNDERSIZED CONTROLLED KILLER September 2017

- A 3D Helicopter Assault game based on a fly
- Led a team by assigning tasks and enforcing deadlines
- Used the **OpenGL** library and **C++** to render scenes and build game architecture
- Used **GLSL** to write vertex and fragment shaders for unit texturing and illumination calculations
- Built geometry shaders to build multiple particle systems for fires and explosions...

FRONTIER GUILD January 2018

- A 3D real time strategy game
- Used **Unity** to build the game world, script player and unit behaviors and set up the scene's UI
- Uses turn based combat when player and enemy units go into combat or into random encounters with neutral environment units

HEROES ALWAYS DIE January 2017

- A 2D platformer shooter where the player tries to defeat all the enemies while exploring the world
- Used **C++** to build the game hierarchy in addition to the game architecture
- Used the **SFML** library to support 2D rendering of the scene

QUESTS OF THE ROUND TABLE January 2018

- Game that is based upon the board game "Quests of the Round Table"
- Used **Unity** engine to build the game's architecture, functionality, and scenes
- Uses the **Strategy** design pattern to implement multiple AI players that the user can compete against

STORE TEMPLATE December 2017

- Store Template
- Template site that can be used as a store to display products, a description, and price of said products
- Uses **HTML, CSS,** and **JQuery**
- Templates a Cart site as well that can show products, their description, price and quantity of each and reports a subtotal and total price (according to Canadian tax-rate)