IAN CI-HIN SHUM

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PERSONAL PROJECTS

First RPG Game

Link: https://github.com/ianshum/P_01_Pixel_TopDown_RPG   **July 2022 – Present**

- Made an RPG game with pixel graphics and top down view in Unity3D.
- Designed and fine-tuned experience and gold system by adjusting and calculating suitable drop of enemies to ensure smooth and balanced gameplay system.
- Designed combat system with different types of enemies with various positive and negative buffs, attack range detections, as well as different types of armour and weapon for player to choose from with different stats and buffs.
- Created custom attack animations for characters and enemies.
- Worked on essential User Interface (UI) which included Main Menu, Heads-Up Display (HUD), Player Menu, Death Menu, Dialog Box, Notification Pop-up and Confirmation Pop-up.
- Designed custom maps for the player to move across for different operations during the gameplay.

WORK EXPERIENCE

Fusionex Group

Solution Consultant   **January 2021 – June 2022**

- Developed back-end Application Programming Interface (API) as solutions for handling data and information tofulfil business requirement of a loaning system.
- Developed front-end user interface for an admin portal to allow business user to perform daily activities such as managing loan cases, and for a client portal to facilitate the process of loan application and loan status checking.
- Carried out independent technical investigation and research to identify possible solutions for roadblocks incode development and code debugging.
- Performed various testing to ensure the completeness, reliability, and robustness of the system
- Collaborated with other departments in building a customized loaning portal that is integrated in another systemwith aggressive deployment timeline.

Roche (Malaysia) Sdn. Bhd.

Programme Manager Coordinator – Intern   **January 2020 – March 2022**

- Liaised closely with business executives from various locations seeking to identify key high-level business values and obtain insights into improvement of a developing healthcare programme.
- Designed and setup a preliminary website to provide updates to all individuals involved in healthcareprogramme.
- Prepared communication slide-packs and an initial business case document for high-level project managementteam and senior sponsors.

ACADEMIC PROJECTS

Enterprise Application Development for Ler Lum Advisory Services Sdn Bhd

Project Manager, Lead Programmer   **August 2019 – July 2020**

- Designed a user interface that is tailored to the user's requirement and business operations.
- Constructed algorithms on unit modules and integrated them into a Minimal Viable Product (MVP).
- Utilised an agile project management tool to manage activities and efficiently delegate responsibilities to team members.
- Achieved 92% for the degree's final year project

Mobile Prototype Development with Augmented Reality

Lead Programmer, UI Designer   **February 2019 – July 2019**

- Developed a low-fidelity prototype by using online prototyping tools (mockflow) and a high-fidelity prototype by using Unity3D
- Successfully proved the viability of incorporating Augmented Reality technology into an astronomy-learning mobile application

EDUCATION

University of Wollongong, Australia   **July 2017 – July 2020**

Bachelor of Computer Science (Major in Software Engineering)

Graduated with Weighted Average Mark of 86.54% (Distinction / First Class Honour Equivalent)

Academic awards: Most Innovative Student Award (2020), Dean's Merit Award (2017, 2019, 2020), Academic Excellence Award (Semester 2 2019, Semester I 2019, Semester 2 2018, Semester 1 2018, Semester 2 2017)

SMJK Sam Tet, Ipoh   **March 2016**

Sijil Pelajaran Malaysia (SPM)

10As (8A+, 1A, 1A-) including A+ in Advanced Mathematics and Physics

SKILLS

Languages	: **Mandarin** (Native), **Cantonese** (Native), **English** (Native), **Malay** (Advanced)
Programming Language	: **C#** (Intermediate), **Angular Typescript** (Intermediate), **SQL** (Intermediate), **HTML** (Intermediate), **CSS** (Intermediate)
Software Application	: **Visual Studio** (Intermediate), **Unity3D** (Intermediate), **MySql Workbench** (Intermediate), **Microsoft Sql Server** (Intermediate), **Blender 3D** (Beginner)

REFERENCES

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Product Delivery Manager at Roche

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Samuel Fu

Solution Architect at Fusionex Group

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