H.M. HWANG

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github.com/1-moon

EDUCATION

University of Leeds	Leeds, Yorkshire
BS Computer Science with high performance	Sep 2021 – Sep 2023
Focus: Operating System, Computer Graphic, Software Engineering	
Foundation Year	Leeds, Yorkshire
Applied Mathematics, Pure Mathematics, Physics	Sep 2020 – Jun 2021
University of GWNU (Drop-out)	Kang won, Korea
BS Metal engineering	Mar 2016~2019
Yong Moon High School	Seoul, Korea
Mathematics, Sciences	Mar 2014 – Feb 2016

SKILLS

Technologies:	C/C++, Qt framework, Java, Python
Core:	Version Control, Agile Scrum
API:	OpenGL (modern)

PROJECTS

Ray-tracing Bezier curve grid *C/C++*   github.com/1moon/RT_curve
Created a mesh in the space where ray hits for my dissertation, adapting Bezier curve principle and a book on Ray tracer by P. Shirley.

Spaceship lift-off simulation *C/C++, OpenGL*   github.com/1moon/spaceSim
Collaborated with two classmates as a group project to implement the simulation that a spaceship lifts off from launch platform, featuring basic 3D rendering, track cameras and so on.

Video editing Application *C++ in Qt*   github.com/1moon/videoEdit
Collaborated with a team of four students to develop a video editor sized in smartphone in User Interface Module, using Qt software, Scrum and Gitlab.

EXPERIENCE

Republic of Korea NAVY	Korea Navy 2nd Fleet
Rader Operator	Jan 2017 – Feb 2019

- Collaborated with a team of professional Rader operators to detect North Korean battleship, allied forces and shipping ships.
- Joined in virtual simulation training with U.S NAVY using KNTDS (Korean Naval Tactical Data System), National Confidential Rader System.