

H.M. HWANG

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github.com/1-moon

EDUCATION

University of Leeds

BS Computer Science with high performance

Focus: Operating System, Computer Graphic, Software Engineering

Leeds, Yorkshire

Sep 2021 – Sep 2023

Foundation Year

Applied Mathematics, Pure Mathematics, Physics

Leeds, Yorkshire

Sep 2020 – Jun 2021

University of GWN (Drop-out)

BS Metal engineering

Kang won, Korea

Mar 2016~2019

Yong Moon High School

Mathematics, Sciences

Seoul, Korea

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.