

OVERVIEW

Second-year MEng Computing student looking to use my coding and problem-solving skills to gain experience in software engineering through this internship position.

EDUCATION

Imperial College London

Oct 2021 - Present

Computing MEng, Predicted 2:1

Core modules: Computing Practical (Haskell, Kotlin, Java, C, Scala), Computer Systems, Databases (SQL), Calculus, Discrete Mathematics, Logic & Reasoning, Computer Architecture, Graphs and Algorithms, Linear Algebra

- Created an assembler and emulator for the Arm11 processor in C as a group project. Gained experience in debugging code and working as a team while under time pressure.
- Implemented various features of an operating system such as thread scheduling and dynamic memory management in C.
- Wrote a compiler for the WACC programming language in Scala.

Cheltenham College

Jan 2017 – Jun 2021

A Level -

Mathematics, Further Mathematics, Chemistry, Computer Science

PERSONAL PROJECTS

- Created a workout scheduler with a GUI using the Win32 API(C++)
- Created a 2D game (Brick Breaker) using the Unity (C# Scripting) Engine
- Practices algorithms and data analysis in C++ on an online judging platform (acmicpc.net) to improve problem-solving skills
- Experienced in C++, Java, and Python

SKILLS AND ACHIEVEMENTS

LANGUAGES

Fluent in English and Korean, Intermediate in Japanese, Beginner in Mandarin and Spanish

INTERESTS AND ACHIEVEMENTS

1x UKMT Intermediate Maths Challenge Full Marks

5x UKMT Intermediate Maths Challenge Gold Award

2nd place in Gloucestershire Team Maths Competition

Martial arts like Muay Thai, Jiu Jitsu, Taekwondo (Black Belt 1st Dan)

Squash (5 years) and badminton (5 years) player

Duke of Edinburgh Bronze Award

WORK EXPERIENCES

Hankyeol Hospital

South Korea

Aug 2022

1 Month Placement

- Worked together with nurses and doctors to help patients and efficiently solve problems such as machine errors or supply shortages. Acquired communication and adaptive problem-solving skills.
- Prepared patients' bed spaces so that once a patient finished their appointment, another could use the space. Improved tidying skills.
- Managed the supply room, laundry room, and waste room. Gained experience in managing time and supplies.

Abbeyfield Care Home

Sep 2017 – Dec 2017

Porthaven Care Home

Gloucestershire, UK

Sep 2019 – Jun 2020

Helper

- Visited elderly residents to keep them company and helped them in situations of need.
- Faced and solved problems that dementia patients have. Learned interpersonal skills.