

## OVERVIEW

Third-year MEng Computing student looking to use my coding and problem-solving skills to gain experience in the software development industry.

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## EDUCATION

### Imperial College London

**Oct 2021 - Present**

*Computing MEng, Predicted 2:1*

- 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, executing user programs, and dynamic memory management in C.
- Wrote a complete compiler for the WACC programming language in Scala.
- Wrote a user-centred website that allows users to plan and join community litter picking events. Gained experience in skills necessary for designing and developing for a stakeholder, such as prototyping, thin-slicing, and iterating on user feedback.

### Cheltenham College

**Jan 2017 – Jun 2021**

*A Level -*

Mathematics, Further Mathematics, Chemistry, Computer Science

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## 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

## PROGRAMMING LANGUAGES AND FRAMEWORKS

- Experienced in C, C++, C#, Java, Python, Scala, Haskell, SQL, Win32, Unity Engine, React

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## 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

2<sup>nd</sup> place in Gloucestershire Team Maths Competition

Martial arts like Muay Thai, Jiu Jitsu, Taekwondo (Black Belt 2<sup>nd</sup> Dan)

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

Duke of Edinburgh Bronze Award

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## 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.