



*A motivated and ambitious individual currently studying BSc in Computer Science, and looking to pursue a career in software development with a keen interest for Artificial Intelligence, Cyber-Security and Fin-Tech. I am a quick and passionate learner, always trying to strive for improvement and have the skills necessary to perform in teams as well as individually.*

## PROGRAMMING PROJECTS

### Song Downloading Software - Python

- Uses API from Spotify to retrieve playlists and YouTube to download songs

### King's Certificate: Improving the Online Shopping User Experience (UX) – HTML, Bootstrap, C#

- Conceptual website for online shopping service developed using ASP.NET (MVC) and Git, incorporates research into user psychology, customer centricity, and responsiveness of web design
- Worked on the frontend development for landing page, items page and browse page as well as adding a dynamic navigation

### Movie Library – HTML, CSS

- Template landing page for an online streaming service with a modern user interface and responsive design that works responsively on desktops, tablets, and mobiles.

### National University of Singapore High-School (NUSH) 24HR Hackathon 2020 (U-Receipts) – HTML, Bootstrap/CSS, C#

- Developed a receipts-storing web application in a time-restricted and collaborative environment which makes use of SQL database with API calling to attain and store user information
- Constructed frontend designs for landing page, dashboard, and information display pages; contributed to backend; and managed simulations using Postman

### EPQ: Designing and Making the 'Perfect' Game – C#, Unity, Amazon Web Services (AWS)

- Prototype first-person shooter with client-server architecture hosted on AWS (Linux Server) for integrated multiplayer.
- The game includes wall-running, mantling and parkour stunting; inspired from my exposure to game development.

### FakeStore (E-Commerce Site) – React.JS, HTML, CSS, JavaScript

- An extensive E-Commerce website built using React that mimics API data fetching by using local JSON file.
- Includes responsive and interactive designs for landing page, browse page, product page, and basket page.

## EDUCATION

### King's College London Mathematics School | A-Levels

September 2020 – August 2022

- Mathematics (A\*), Further Mathematics (A\*), Physics (A\*), EPQ (A), AS Computer Science (A)
- British Informatics Olympiad, Senior Maths Challenge (GOLD), Senior Kangaroo Maths Challenge, King's Certificate (Distinction), NUSH Hackathon (2nd place), BPho Senior Physics Challenge, Bebras Computing Challenge

### Beths Grammar School | GCSE

September 2015 – August 2020

- 12 GCSE 9-8; Maths 9, Further Maths 9, Physics 9, Computer Science 8, English Language 8
- DofE: Bronze, Honours Tie, Mathematician Award, General Excellence Award, English Speaking Endorsement (Distinction)

## SKILLS

- |                              |                                      |
|------------------------------|--------------------------------------|
| ◆ HTML, CSS, JavaScript      | ◆ Communication, collaboration       |
| ◆ Python, Java               | ◆ Problem solving, critical thinking |
| ◆ C#, Unity                  | ◆ Analytical skills, presentation    |
| ◆ Postman, Git, AWS, ASP.Net | ◆ Time management,                   |

## EXTRA-CURRICULAR / HOBBIES

- Exploring the field of robotics by learning to program Arduinos
- Game Development: occasionally take part in game jams
- Football: Playing as part of the university team
- Other sports/exercises: rock-climbing, gym

**References available upon request**