

# Allister Yu-Jin Gough

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## Education

**Computer Science BSc - Third year - 2:1 (Expected)**

Sept. 2021 - Present

*King's College London (KCL)*

- Mobile checkout app (Software engineering group project): Built a mobile app in **Android Studio** for retail customers to scan and purchase items from their phones. Database schema stored using **Firebase**. Used several **APIs**, such as CameraX for android. Built with **Kotlin**. Achieved with a **group of 10 people**. Used **Trello** to manage user stories and project progression. Used **Git** for version control.
- **Relevant modules:** Introduction to Software Engineering, Software Engineering Group Project, Software Measurement and Testing, Practical Experiences of Programming, Data Structures, Database Systems, Computer Systems, Introduction to Artificial Intelligence

**A-Levels: Maths A\*, Physics A BTEC: Computing D\***

Sept. 2019 - June 2021

*Cheam High School*

## Personal Projects

**Music School Management System (MSMS)**

Sept. 2022

*Python, Django, HTML*

- Built a website in **Django** that assists music students with lesson management.
- Students are able to sign up or login into an account (details stored using **SQLite**), where they can request lessons on a chosen day, time and with a chosen teacher and instrument.

**TICTACTOE AI**

March. 2023

*Python*

- Developed a standard TICTACTOE game where you play against an unbeatable **AI**.
- Uses the **Minimax** algorithm to generate the best move for the computer adversary.

## Work Experience

**Encyclopedia Britannica**

Feb. 2018

*Market Research Sales Assistant*

- Spent 2 weeks as a market research assistant at **Encyclopedia Britannica**.
- Got a taste of the office environment, developed communication skills, and learned how to **work in a team effectively**.
- Had regular team meetings, and gave several **presentations** to the other members of my team.

## Leadership and Volunteering

**Non-profit Business**

April. 2022 - Ongoing

*Brothers In Arms (BIA)*

- Core team member of a non-profit business that aims to improve the physical and mental wellbeing of boys aged 12-18 all over the world. Website: **Brothers In Arms**
- **Team lead** and **mentor** participants of our retreats that are focused on self-improvement.

**Charity Group**

Sept. 2014 - Sept. 2016

*WAIT UK*

- Break-danced and beat-boxed in a performing arts group aimed at raising awareness for HIV and AIDS. Website: **WAIT UK**
- Raised funds for children in Uganda through busking, sponsored hikes and creative concerts.

## Skills

**Technical:**

Python, Java, C++, Scala, HTML, Latex, Git, Github

**Non-technical:**

Japanese (Novice), Guitar, Drums

