

Sultan Insan Geosrinov Muhammad Rifqi

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EDUCATION

- **University College London** London, UK
BSc Computer Science (expected first-class) Sep 2021 - Jun 2024
 - **Key Modules:** Algorithms, Object-Oriented Programming, Principle of Programming, Theory of Computation, Mathematics for Computer Scientists.
- **University of Warwick** Coventry, UK
International Foundation Programme - Computer Science Pathway Sep 2020 - Jul 2021
 - **Key Modules:** Pure Mathematics (A*), Statistics & Further Mathematics (A*), Computer Science (A*)

PERSONAL PROJECTS

- **Snapchat Clone App** <https://blue4sky.github.io/mywebsite/>
Built a responsive app using **Kotlin**, **Firebase**, and **Android Studio** that allowed users to send a text and a photo to another user. This app is a simple implementation from the real Snapchat application. Authentication was used in this app to store users' usernames and passwords. Also, every text and photo that the user sends will be stored in the Realtime Database.
- **IsDB Statistical Dashboard App**
Built a simple app using **Flutter** and **Android Studio** that allowed users to see current statistical data on tables, pictures, infographics, and books. All of the data can be downloaded directly to users' smartphones. CSV format was used to represent the table and to make it easier for the user to open the file on Excel. There is also a clickable link on each section that will direct the user to the IsDB website which can give more dynamic data.
- **Tetris AI**
Coursework from the university, Tetris AI, was built using **Python**. The Genetic Algorithm was used in this project so that the AI can achieve its best score and beat the previous AI. Aggregate height, complete lines, holes, and bumpiness are the four heuristics that used in this algorithm. To make the score even higher, the optimal set of parameters were calculated appropriately for each heuristic.

ACHIEVEMENTS

- President of The Student Council in Junior High School (2016 - 2017)
- Vice President of The Japanese Club in Senior High School (2018 - 2019)
- Participated in four National Mathematics Olympiad in Jakarta, Indonesia (2017-2019)
- Participated in a National Informatics Olympiad in Jakarta, Indonesia (2019)
- Winner of "Japanese Language Quiz Contest" in Jakarta, Indonesia (2020)

SKILLS

- **Spoken Languages:** Bilingual English and Indonesian.
- **Programming Languages:** Python, C, Dart (Flutter), Java, and Kotlin.
- **Soft Skills:** Leadership, Communication, Critical Thinking, and Problem-Solving Skills.