

# Aryan Agrawal

First year computer science undergraduate  
interested in cardistry, fashion, fitness &  
personal growth.

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## EDUCATION

### The University of Manchester, UK – Bsc Computer Science

SEPTEMBER 2020 - JULY 2023 (EXPECTED)

- Modules: Python & Java Programming, Verilog Engineering, ARM Programming, Web Development, Operating Systems, Data Science, and Computation

### The British School of Brussels, Belgium – A-Levels

SEPTEMBER 2014 - JULY 2020

- A-Levels: A\*A\*AA in Maths, Further Maths, Physics and EPQ respectively

## WORK EXPERIENCE

### A.G. Trading, Belgium

DECEMBER 2019 - JULY 2020

#### Part Time IT and Software Support

- Facilitated support and troubleshooting for accounting software and system installations
- Developed leadership skills by helping less technically experienced employees use industry specific programs more efficiently

### Private Tuition

SEPTEMBER 2018 - JULY 2020

- Tutored students of varying ages in STEM subjects, mainly mathematics, computer science, and physics
- Improved teaching skills, increased patience & empathy, and refined the ability to explain complex technical concepts in simple terms

## PROJECTS

### Recipe Finder Website: Recipedia - First Year Team Project (In Progress)

- A web application to recommend tasty and healthy recipes from popular recipe websites, based on user preferences (such as dietary requirements, allergies, fitness goals)
- Developing front-end using **React**, back-end using **Node.js**, and database using **PostgreSQL**
- Using **Git** for project management, leading a 7 person team

### Educational Programming Website: Interphase - GreatUniHack 2020

- A website developed in under 12 hours, aiming to bridge the gap between individuals with no computer science knowledge and online programming tutorials
- Teaches 3 tracks: app, web and game development, explaining how to set up and get started with each

### UniCS GameDev Society Website (In Progress)

- The home page for the UniCS GameDev Society, displaying information about the society, members, upcoming events and photos from past events
- Collaborating with a 5 person team, using **React** for the front-end and **Git** for project management

### Python Tkinter Puzzle Game: The Impossible Game

- Created an interactive puzzle game completely using **Python's Tkinter module**
- Implemented a leaderboard, load/save functionality, dynamic level regeneration, and more

### Python Pygame Tetris Remake - EPQ

- Created a basic Tetris remake using **Python's Pygame module**, with features from the original game
- Wrote a 6234 word essay about the the development of the project and progression of the code
- Improved project planning and research skills in addition to time management and organizational skills

## TECHNICAL SKILLS

Python, Java, HTML, CSS, JavaScript, React, Node.js, PostgreSQL, ARM Assembly, Verilog, Git, **L<sup>A</sup>T<sub>E</sub>X**

## AWARDS & CERTIFICATES

Kilburn Scholarship for outstanding A-Level achievements

DECEMBER 2020

CS50X Introduction to Computer Science

NOVEMBER 2020

## LANGUAGES

Fluent in **English**, **Dutch**, and **Hindi**. Conversational in **French**