

Aryan Agrawal

First year computer science undergraduate
interested in fitness, fashion & 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 2018 - 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, BMI, and TDEE)
- Developing the front-end using **React**, back-end using **Express** for **Node.js**, and database using **MySQL**
- Leading a 7 person team using **Git** for project management, with 305 commits (over 50% of the total)

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, cheat codes, work mode

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, React, JavaScript, Node.js, MySQL, HTML, CSS, ARM Assembly, Verilog, Git, \LaTeX

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**