

Ian Grey

SUMMARY

I am currently in Year 13 attending college. Having created many projects, I am very passionate about Computer Science and have shown my interest by learning many programming languages such as Python, Lua, and JavaScript. Projects include creating a web application, games and working with databases. I plan to study Computer Science and would like to have work experience in a technological industry. Apart from programming, I have many other skills which is working with spreadsheets, presentations and video/audio editing.

EDUCATION

College

A Levels (Predicted Grades)

- Subjects:

Secondary School

GCSEs

- Subjects:
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SKILLS

Programming languages: Python, Lua, JavaScript, C#, SQL, HTML, CSS

Tools: GitHub, Visual Studio Code, Postman, MongoDB, MySQL, Rest APIs

Soft skills: Good communication skills, work well with peers, punctual, work well under pressure, resilient, problem-solving

PROJECTS

Discord Bots

Description: My first big project, where I developed many bots, that interact with users via commands which feature moderation, an economy system (using databases), and other commands. Technologies used: JavaScript, Node.js, Discord.js, MongoDB, Rest APIs.

Web Applications

Description: Developed a personal e-portfolio site showcasing projects, a web dashboard for managing a Discord Bot and recently created an interactive chess game for my NEA project.

Technologies used: JavaScript, Node.js, React, Webpack, Vite, Express.js, MySQL, Rest APIs.

Desktop Applications

Description: Developed numerous desktop applications such as a prayer time notifier and a flashcard revision tool.

Technologies used: JavaScript, Node.js, Electron.js, TypeScript, Python, Tkinter, GuiZero, Rest APIs.

Game Development

Description: Multiple projects created with PyGame and Canvas consisting of Pong, Snake and Space Invaders.

Technologies used: Python, PyGame, JavaScript, Canvas.

Game Scripting

Description: Scripted game mechanics and designed an interactive GUI for players using Roblox, Unity. Technologies used: C#, Lua, Luau, Unity, Roblox Studio.

Interests and Hobbies

I have a genuine passion for sports like Basketball, Table Tennis, and Chess, which have played a big role in shaping my skills and outlook. Being part of my college's esports team has been a fantastic experience, helping me sharpen my communication and teamwork while strategizing with my teammates during high-pressure games. My journey in Table Tennis wasn't smooth at first; I struggled but stayed determined to get better. Through regular practice and playing against different opponents, I gradually improved, showing my resilience and willingness to face challenges. I also love playing basketball with friends, where I stay active, work on my reflexes, and enjoy the competitive vibe. Chess has been a game that truly changed how I think, teaching me to plan several steps ahead and make quick decisions when things don't go as expected. Outside of sports, I spend a lot of time solving coding challenges by utilising resources such as LeetCode, which have helped me sharpen my problem-solving skills and logical thinking. I find tackling these problems just as exciting as playing a tough match, as it pushes me to learn and improve constantly. Overall, being involved in these activities has helped me grow stronger in areas like critical thinking, resilience, and a constant drive for self-improvement, both mentally and physically.