

# Samuel Brookman

21 years old, 01/11/2002

## PROFILE

My name is Samuel Brookman, and I'm an aspiring Software Developer interested in joining a diverse team of talented developers. I have a passion for mathematics, particularly in its involvement in applications that involve 3D rendering. My experience in programming ranges from web development in Typescript, to working with Vulkan in C++ and scripting in Python.

I'm young, keen and determined to establish a successful career in low-level software development, as part of a wider team of agile developers. Adaptability is important to me, and I believe the number of personal projects that I've undertaken is testament to both my desire to learn and strong reception to new technologies.

Looking forward, my priorities are clear - to surround myself with talented developers/engineers from whom to learn not only how to write professional-grade programs themselves, but how to write them efficiently and idiomatically.

## EXPERIENCE

### Tax Consultant, Apprentice - Deloitte LLP - 09/22 - 04/23

In the absence of clarity as to where I wanted to be in the next several years, upon leaving secondary school I joined Deloitte, the world's largest accounting firm by revenue, as an apprentice in their tax and legal department.

I took a lot away from the time that I had at Deloitte, especially soft skills such as communicating with clients and other members of the team. Since it was my first exposure to being a part of such a large corporate entity, it was a steep learning curve for me, but one that I'm grateful to have had.

My reasons for leaving Deloitte are plain - a scarcity of interest in the type of work and a complete absence of purpose beyond simply getting the job done. I never felt like I had much responsibility, which made me feel estranged and ultimately led to me pursuing a different career.

That being said, it was a fantastic first step into how companies operate and being a people-business as Deloitte is, I learned an incredible amount about how to connect with employees as part of a team, something which will undoubtedly continue to benefit me for the rest of my life.

414 Church Road, Bristol, BS36 2AQ, 079 147 88536  
[sam.brookman414@hotmail.com](mailto:sam.brookman414@hotmail.com)

## **PERSONAL PROJECTS**

Each project has its own Github Repository that can be found via the link at the bottom of this document. I have also deployed a website portfolio that takes a closer look at each of the projects, which you can visit here:

<https://blog-frontend-pi-ten.vercel.app/>

Additionally, a PDF version of the important details will be provided as a supporting document if permitted.

- Game Engine - C, OpenGL
- Game Engine - C++, Vulkan
- Backend Web API - Rust (Actix Web), Postgresql
- Online Astronomy/Physics Blog - Typescript (Svelte)
- Embedded development on a Raspberry Pi 4 - Rust, C, arm64 Assembly, Linux

## **EDUCATION**

Winterbourne International Academy

17 High St,

Winterbourne,

Bristol,

BS36 1JL

### **GCSEs**

- Maths - Grade 8
- German - Grade 8
- Chemistry - Grade 8
- Biology - Grade 8
- Physics - Grade 7
- English Literature - Grade 7
- English Language - Grade 6
- Geography - Grade 6

- Computer Science - Grade 5
- Engineering BTEC - Distinction\*

## **A-levels**

- Further Maths - Grade B
- Maths - Grade B
- Physics - Grade C
- Chemistry - Grade D

## **SKILLS**

### **Programming Languages**

- C
- C++
- Typescript (SvelteKit, React)
- Python scripting
- Rust (Actix Web)
- Arm64 Assembly
- GLSL

### **APIs**

- OpenGL
- Vulkan

### **General Purpose**

- Git
- Makefiles
- CMake
- Docker
- Postgresql
- Bash
- Linux
- Blender

## **LANGUAGES**

Upon finishing my German GCSE's, I decided to continue my passion for learning languages outside of school, or more specifically I began to teach myself Arabic.

I chose Arabic for a number of reasons, ranging from its stylistic, cursive writing system, to its praised difficulty for an English-speaking native. Upon reflection, it was one of the most important choices I've made that has led me to the person who I am today, and feel it deserves a lot more to be said than the few lines I can write on a CV.

That being said, studying Arabic independently brought me to the realisation that I find an incredible amount of satisfaction in piecing together parts of a problem for

myself. Facing a problem, with nothing but passion to discover a solution for which has proven to be, for me, almost medicinal.

Upon studying, I knew that becoming involved in foreign cultures was going to play a huge role in my life looking forward, but what I didn't realise was that this passion would eventually transmute into programming languages.

## **LINKS**

Github: <https://github.com/KenM4sters?tab=repositories>

Portfolio: <https://blog-frontend-pi-ten.vercel.app/>