

CONTACT

Email: ccaulfield05@qub.ac.uk

Phone: 07738 455334

Address:

22 Dehra Gardens,
Ballymoney,
BT53 7AR

Website: curtiscaulfield.dev

GitHub:

github.com/codedbycurtis

LinkedIn:

linkedin.com/in/curtiscaulfield

TECHNICAL

Windows, Linux, macOS

C++, C#, Java, JavaScript, Dart,
Python, HTML5, CSS3, ARM
Assembly

.NET MAUI, Xamarin, WPF,
Flutter, React.js, Gatsby.js

Visual Studio, Visual Studio Code,
Eclipse, JetBrains Rider, IntelliJ
IDEA

ACHIEVEMENTS

Awarded the EEECS Prize for the
best First-Class performance in
six modules in MEng Software
Engineering at Stage 1

CERTIFICATIONS

TestDome C# Certificate

SKILLS PROFILE

Listening – 5/5

Priority Management – 5/5

Communication – 4/5

Teamwork – 4/5

CURTIS CAULFIELD

SOFTWARE ENGINEER

Enterprising Software Engineering student with thorough knowledge of both front-end and back-end frameworks, with an aptitude for learning and an eagerness to hone these skills. Prior employment in fast-paced, challenging environments necessitating exemplary communication and teamwork to surpass customer expectations.

EDUCATION

Queen's University Belfast

September 2022 – September 2027

MEng Software Engineering

CSC1033 – Intro to Computer Architecture – 95%

CSC1027 – Object-Oriented Programming – 92%

CSC1032 – Intro to Cyber Security – 90%

CSC1023 – Databases – 83%

CSC1026 – Fundamentals of Maths – 81%

CSC1030 – Web Technologies – 78%

CSC2056 – Systems Security and Cryptography

CSC2058 – Software Engineering and Systems Development

CSC2059 – Data Structures and Algorithms

CSC2063 – Service-Oriented Programming

CSC2065 – Professional and Transferrable Skills

Dalriada School

September 2020 – June 2022

A-levels

Digital Technology – A*

Mathematics – A

History – B

Ballymoney High School

September 2015 – June 2020

GCSEs

Digital Technology: Programming – A*

Single-Award Science – A*

History – A*

English – A

Mathematics – B

English Literature – B

Geography – B

Learning for Life and Work – B

Religious Studies – B

PROJECTS

Dart | SoundCloud API

Analysed SoundCloud's internal API and wrote a library in Dart, enabling developers to search for content, view user profiles and playlists, and download tracks without needing an API key or to create an account, by sending requests to the internal API, and parsing the JSON response.

Dart + Flutter | Freeplay Music

Built a cross-platform iOS and Android app in Flutter, allowing users to play music from YouTube and SoundCloud, as well as download videos or tracks for offline playback. Users can also generate playlists to sort music, and view recommended or trending songs. Usage of web-scraping APIs means users do not need to make YouTube or SoundCloud accounts and can bypass in-service advertisements.

HTML + CSS + JS | University Group Project: Interactive Adventure Game

Directed a team through the design and production of an interactive adventure game using vanilla HTML, CSS, and JavaScript, and contributed greatly to the game's core mechanics, such as the inventory system, taking advantage of the browser's session storage to persist data between page changes, as well as the randomly generated puzzles, involving the use of various web APIs, earning a 1:1 in the project.

WORK EXPERIENCE

Milltown Spar | September 2022 – Present | Retail Sales Assistant

- Advising customers and ensuring customer satisfaction by listening attentively to complaints or requests to resolve issues without escalation.
- Maximising sales efficiency through effective priority management, especially during busy holiday periods.

Allstate NI | Summer 21 | Virtual Work Experience

- Communicated as part of a team to design and prototype an application of artificial intelligence in the form of a personal chatbot.

PERSONAL INTERESTS

- Exploring a variety of languages and frameworks, such as C# and .NET, and utilizing these to develop mobile apps in Xamarin.Forms and .NET MAUI, and desktop applications in WPF.
- Redesigning older projects to implement newer features and migrating projects to other platforms.
- Leveraging React frameworks, such as Gatsby, to build web apps, including a personal website at curtiscaulfield.dev.
- Engaging with other engineers through extra-curricular activities at the Queen's Computing Society.

REFERENCES

Dr Ihzen Alouani – Senior Lecturer,
Centre for Secure Information Technologies (CSIT),
Queen's University Belfast,
i.alouani@qub.ac.uk