Thomas Collins

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○ Tom23collins

Summary

I am currently studying Computer Science full time at the University of Birmingham alongside operating as a sole trader under the name TCS Solutions.

I am a motivated and organised individual that specialises in communicating issues from non technical personnel into software orientated solutions.

Education

Computer Science BSc, University of Birmingham   Sept 2023 – May 2027

- **Year 1:** Mathematical and Logical Foundations of Computer Science, Object Oriented Programming, Computer Systems and Professional Practice
- **Foundation Year:** Mathematics I (62), Mathematics II (62), Calculus (62), Elementary Computer Programming (82), Materials (74), Stats and Data (57), Waves (45), Foundation Electronic & Electrical Engineering (46), Group Project (54), Science and Engineering Skills (56), Science & Engineering Laboratories (97)
- **Activities:** Brazilian Jiu-Jitsu (Captain 2024/25, President 2025/26)

A levels & GCSE's, Clevedon School   Sept 2015 - May 2022

- **A levels:** Business (A*), Computer Science (A), Chemistry (B)
- **GCSE's:** Computer Science (8), Mathematics (8), Business (7), Chemistry (7), Physics (7), Religious Studies (7), Biology (6), English (6), Geography (6), Spanish (6)
- **Activities:** Rugby Union, Chess Club

Experience

IT Specialist, Dantek Environmental Services (UK) LTD   Thornbury
                                                                             June 2024 – Oct 2024

- Built a small lightweight web application used for certificate generation and tracking technicians working hours.
- Maintained company website and implemented a web shop on existing site and a new site.
- Frontline IT Support for employees.

Junior Software Developer, NetMinded   Clevedon
                                                                             Sept 2021 – May 2022

- Writing python scripts to interact with Netminded API.
- Building static web pages using html, CSS, bootstrap and JavaScript.
- Converting pre existing webparts into components using React JS.
- Configuring Raspberry Pi's used for network monitoring.

Non IT Experience

Chalet Host, Ski Famille   Les Gets
                                                                             Nov 2022 – April 2023

- Cleaning chalet daily and hosting meals, focusing on customer service.
- Cooking breakfast and dinner for kids and adults once per week.

Fabricator, Outsourced Manufacturing Services   Clevedon
                                                                             May 2022 – Nov 2022

- Plastic welding and operating eyelet machine fabricating tent panels.

Kitchen Porter, Junior Poon Resturant

<div align="right">Clevedon
Sept 2020 – May 2021</div>

- Washing dishes and cutlery during service.
- Preparing ingredients and takeaway.

Projects

Taster session sign-up web app <div align="right">uob-bjj-webapp ↗</div>

- Developed a sign up web app for the UoB BJJ Taster Sessions where people interested in trying the club could create an account and book onto a session and reserve a taster Gi if available. This was to improve the process of handling taster sessions sign up which in previous years was done manually on a spreadsheet.
- **Results:** We had 160 unique members register onto the app over the two week period with 88% of our 350 available slots being booked.
- **Tools used:** Python, Flask, HTML, CSS, Azure, MySQL flexible server, Bootstrap

Certificate generation and check-in check-out web app <div align="right">(private repository)</div>

- Built a program for the operations team at Dantek that converts data from Microsoft forms into course certificates.
- Built a wrapper for the certificate generation app so that it could be accessed online for users with a 365 account instead of as a downloaded executable.
- Created an addition feature where technicians can check in and out of the app on their phone which is then monitored by a desktop dashboard.
- **Tools used:** Python, Flask, Docker, Microsoft identity platform, Azure, MySQL

Skills

Programming languages: Python, Java.

Tools: GIT, VS Code, Figma, Azure.

Authoring: LaTeX, Office 365.

Other skills: Full UK driving license.