James Williams

South Wales, UK

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Personal Profile

As a dedicated Computer Science student at the University of South Wales, I am deeply passionate about technology and innovation. I have developed a strong skill set that includes computing, IT, business management, and customer relations, allowing me to take a practical approach to solving challenges in this fast-paced field. Throughout my academic journey, I have consistently achieved high grades and have been recognized for my leadership abilities, being chosen as a PASS (Peer Assisted Study Sessions) leader. My commitment to excellence motivates me to continuously strive for improvement and set higher standards in both my academic work and practical experiences.

Education

University of South Wales

BSc in Computer Science   *Sep. 2022 - Current*

- Peer Assisted Study Support (PASS) Leader
- 1st Year Nominee for 'Most Inspirational Student'
- 1st Year: First Class - Distinction
- 2nd Year Nominee for 'Most Inspirational Student'
- 2nd Year: First Class - Distinction
- **Modules Covered:** C++ Programming, Computer Systems Concepts, Information Management and Security, Mathematical Tools for Computation, Data Structures and Algorithms with OOP, Secure Software Development, Operating Systems Concepts, Event Driven and GUI Programming, Database Development, Professional Practice and Employability.

Cyfarthfa High School

A Levels & GCSE's   *Apr. 2007 - Jun. 2014*

- BTEC Diploma in IT (Distinction*)
- BTEC Welsh Baccalaureate (A)
- Product Design (D)
- 12 GCSE's (A-C)

Work Experience

NoteMachine   *Crickhowell, Wales*

ATM Planning Coordinator   *Jul. 2022 - Sep. 2022*

- Liaise with councils and police forces UK wide.
- Responsible for arranging planning permission for all ATM installations.
- Tasked to produce CAD drawings alongside planning documentation.
- Coordinate and manage scheduling with departments.
- Responsible for maintaining a strict legal standard.
- Direct communication with company directors, taking part in meetings and reports.
- **Technical Skills:** Legal Planning, Autodesk AutoCAD, Adobe Suite, Excel.

NoteMachine   *Crickhowell, Wales*

CAD Technician   *Jun. 2021 - Jul. 2022*

- Providing assistance to the Sales Department producing a range of CAD designs for new ATM installations and existing site changes.
- Submit designs to customers and councils countrywide with a view to securing contracts and planning permission.
- Utilisation of Adobe Photoshop to create visual mock-ups of ATM installations at prospective customer premises.
- Managing various workloads and time effectively.
- Responsible for maintaining a strict legal standard.
- Produce floor plans internally for health and safety plans and layout designs.
- Mark out mapping location plans using Adobe Acrobat.
- **Technical Skills:** Autodesk AutoCAD, Adobe Suite, Excel.

Stephens and George Print Group *Merthyr Tydfil, Wales*

Account Executive *Apr. 2019 - Sep. 2020*

- Managing a portfolio of customer accounts.
- Organise and prepare customer orders throughout production.
- Building lasting relationships with customers via a variety of communication channels.
- Ensuring customers requirements and expectations are reached.
- Managing my time effectively to meet strict deadlines.
- Maintaining a high level of customer service in a professional manner.
- Being a key team player and contributor.
- **Technical Skills:** Bespoke Systems, Excel.

Projects

GradePath Web Application

University of South Wales *Sep. 2023 - Mar. 2024*

- As part of a year 2 university group project, we designed and implemented a web application that aims to provide course suggestions based on predicted or achieved grades. This was built utilising Next.js, Tailwind CSS, and Pocketbase as a secure database option. Notably, as part of the project, we were required to present a pitch of the project which we won a 'best presentation' award.
- **Key Features:** Multiple User Features and Capabilities, Sleek Design, Cookie Usage, Back-end Authentication.
- **Technical Skills:** Next.js, Tailwind CSS, Pocketbase, Git, Github.

Remote Flight Simulator

University of South Wales *Nov. 2023 - Jan. 2024*

- As a requirement of the year 2 module 'Event Driven and GUI Programming', we were tasked to design a GUI that remotely connects to another application simulating an aircraft's control. This involved using Windows Forms and C# alongside networking techniques to obtain client access. This is something that I thoroughly enjoyed, displaying creativity and understanding.
- **Key Features:** GUI Implementation, Networking.
- **Technical Skills:** C#, Windows Forms.

Personal Website

Personal *Feb. 2024 - Current*

- In order to enhance my comprehension of website development, I have recently undertaken the initiative to construct my personal website, aiming to showcase a selection of my skills and ongoing projects. In this endeavor, I am employing the Flowbite component library, which is founded upon the Tailwind CSS framework, to facilitate the development process.
- **Key Features:** Modern Design, User-friendly Navigation.
- **Technical Skills:** Node.js, Tailwind CSS, Flowbite.

Skills

Programming	C++, C#, Python, Typescript, SQL, Tailwind CSS, Next.JS, HTML, MongoDB.
Software	Windows, Visual Studio, Visual Studio Code, Overleaf/LaTeX, Microsoft Office, Git, Github, Autodesk AutoCAD, Adobe Suite.
Soft Skills	Time Management, Leadership, Teamwork, Problem-solving, Professional and Academic Documentation, Professional Communication, Dilligence.

Interests

Motorsport	I'm deeply passionate about Motorsport, particularly Formula 1, WRC, and Endurance racing. Additionally, I take pride in servicing and repairing my own car.
Programming	I continually strive to expand my programming knowledge through participation in challenges, online tutorials, and side projects.
Reading	During my leisure time, I prioritize reading and am currently engrossed in the Dune series.
Video Games	To unwind and connect with others, I enjoy playing online games across various platforms with friends and family.
Cycling	When I'm not exploring trails on my mountain bike, I dedicate time to indoor cycling workouts on my spin bike.

References available upon request.