

# Ben Williams C.V

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## Profile

*Degree: Computer Science with an Industrial Placement Year BSc (Hons)*

A forward thinking, committed and hardworking student with a range of professional experience working as a team and being an effective communicator, with technical skills in languages such as C#, C++, Java & Python. I am now seeking employment to develop my interpersonal and technical skills further in a professional tech environment.

## Relevant Professional Experience

### Atlas Copco, Deeside — Graduate Product Controls Engineer (Placement Year)

Nov 2021 - Sept 2022

Working as part of a multi-national team of software engineers with the goal of producing and maintaining bespoke software solutions for our SPR equipment.

Responsibilities:

- Developed a means of automated testing for our robot simulator system, porting code and proposing further novel ideas on how to improve systems.
- Writing code for embedded and non-embedded systems whilst conforming to an OOP paradigm. Systems implemented in C++, Python and Structured Text. Tracking code changes via Mercury as our DVCS.
- Involved in all aspects of the SDLC using a V-Model to complete & deliver software features. Likewise, alternatively following a TDD approach, developing and performing unit, end-to-end and acceptance testing.
- Working as a part of an agile team, partaking in scrums, leading documentation/code reviews in presentation to key stakeholders. Communicating digitally through teams and tracking goal progress through Kanban boards.
- Interfaced with other departments to support business endeavours and collaborated to effectively achieve company goals.

## Education

### University of Chester — Computer Science BSc (Hons) with Placement Year

Sept 2019 - July 2023

*Current Grade/Expected: 1<sup>st</sup>*

#### Web Development, Programming & Databases

These modules focused on honing programming skills (technologies and best practices) through hands on assessed projects.

Here I...

- Developed a proficiency with a multitude of languages such as Java, Python, C#, HTML & CSS.
- Developed an understanding & familiarity of best principles to follow while creating and maintaining code, for example S.O.L.I.D principles in object orientated design, D.R.Y & CLEAN.
- Completing multiple projects from creating unit tests for a pre-existing system, to developing multiple websites with frontend and backend support, to now writing a solution that secures x86 binaries from control flow attacks.
- Database creation and maintenance of both relational & non-relational databases working with both structured and unstructured data respectively, using CRUD operations, creating schemas & ERDs in design.

## Innovation project

A Collaborative project creating a web application solution for a real client, Deva English.

Here I...

- Worked as part of team to develop a web application using HTML, CSS & C# that has interoperability with the user's existing SQL database.
- Created design artifacts, developed features for the application, performed debugging/error resolution and used Git as our DVCS.
- Interfaced and developed a rapport with the clients, initiated, and maintained a line of dialogue with the client on project progress, further user requirements and features etc.

## Relevant Skills/Abilities

- Teamwork & Communication: Commonly using initiative to interact with stakeholders to gather requirements, strategize design and convey implementation/feature details. Partaking in daily scrums/stand-ups to communicate task progress. Aiding peripheral tasks to support team members and facilitating overall team goal achievement.
- Problem solving: Creating bespoke solutions to satisfy absent functions of the business, for example a developing a means of automated testing whilst at Atlas Copco. Additionally, performing testing and debugging/error resolution. Likewise researching and then presenting findings whilst including suggestions of advancements for our systems.

## Other work experiences

### UPS, Deeside — Warehouse clerk/operative

Jan 2018 - Sept 2019

A small team vital in the system of a multi-national company, collectively working towards the goal of efficient global distribution of goods.

Responsibilities:

- Warehouse Operative: An effective member of a team by communicating status of current and pending tasks & relaying updates to team members. Likewise, a high attention to detail to correctly distribute goods in a fast paced and dynamic environment.
- Warehouse Clerk: Responsibilities include maintaining documents/logs of goods for administration purposes, communicating with drivers on the root cause of parcel errors, and outreach to customers/companies to achieve resolution of error in distribution.

## Additional Education

**A Levels:** Mathematics: Grade A in Chemistry, Mathematics & Further Mathematics(As level). Grade B in Economics & Biology.

## Affiliations

- British Computer Society (BCS) - student member.

**References available on request**