**Benedict McGraw**

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Location: Dundee, Scotland

## Personal Statement

I'm a second year Computer Science Student at the University of Dundee with a strong interest in backend development. I am skilled in Java, Python, C/C++, HTML, and CSS. I am experienced in object-oriented programming, data structures, and enjoy refining code until it is efficient and clean. I enjoy collaborating via GitHub to create a high-quality, maintainable solution. I'm eager to build on existing skills such as my self-motivation, collaborative nature, and adaptability and believe this is the right environment for it.

## Technical Skills

- **Programming languages**: C, Python, Java, Unix, C++
- **Web technologies**: HTML, CSS
- **Version control**: GitHub, Git
- **Development tools**: Docker, Visual Studio Code

## Education

**BSc (Hons) Computer Science**

University of Dundee, Scotland, UK

Sept 2024 - Present

- Relevant Modules: Multi-Paradigm programming, Algorithms and Data Structures in Java, Object-oriented programming, Web development, Network Systems, Calculus and Linear Algebra
- Expected Graduation: June 2027

## Work Experience

**Non-industry experience**

- Part time sales assistant (JD sports) - Developing social skills such as communication, meeting new people, working in a big team while ensuring customer satisfaction.
- Kitchen Porter (Black Mamba) - Developing skills such as time management, understanding team roles and adapting to different jobs considering the situation. All in a fast-paced kitchen environment.

**industry experience**

- CD Corp, Aberdeen (intern) - work experience at CD Corp where I worked on their website, getting an understanding of HTML and CSS while investigating how they linked the backend code to the website. I also worked on digital design and presentation on leaflets and helped create NFTs for a whiskey collection that helped develop my understanding of blockchain technologies and basic server-side logic.

## Projects

**Vinify - Vinted item upload notification system**

[GitHub Repo](#)

- Uses a GitHub vinted API as well as my own Python program which allows the user to insert a search query into the program and then when a new item is uploaded to vinted that fits their search criteria, they will be notified.
- I managed to monetize the program for other users who used the program to "snipe" recently uploaded items to sell for more.

**University projects**

- Created a simulated social network on java using data structures such as stacks and lists where a randomly chosen team and I combine ideas and object-oriented design principles using Git and GitHub.
- Created a scrabble like game in Java for an assignment where I got a better understanding of object-oriented methodologies specifically algorithms and data strucres.

## Certifications

- **Higher(A):** Math, Physics, Computing
- **National 5(A):** Math, Physics, Computing, Chemistry, Admin and IT

## Interests

- Blockchain technologies and advancements and trends in cryptocurrency.
- I enjoy exploring new APIs and developing code that works with them.

## References are available upon request