

SAFWAN CHOWDHURY

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SUMMARY

I am a motivated professional specializing in future technologies, particularly AI and VR, with a **First-Class Honours Degree in Computer Science** from the **University of Leeds** and currently pursuing a **Master's in Computing (Software Engineering)** at **Imperial College London**, expected to graduate with Distinction. My experience includes presenting at national SSAT conferences, showcasing strong communication and problem-solving skills. I've developed a VR-enabled Online Chess Platform, demonstrating web development expertise and project management skills. My **Master's research** focuses on autonomous truck networks using **Gaussian Belief Propagation (GBP)**, indicating my commitment to technological innovation.

EDUCATION

MSc Computing (Software Engineering)

Imperial College London | London, UK

Jan 2025

Notable Modules: Software Engineering for Industry, Software Engineering for Machine Learning, Robotics, Network and Web Security, Scalable Systems and Data, Human Robot Interaction, Principles of Distributed Ledgers & Privacy Engineering.

BSc Computer Science w/ Artificial Intelligence – 1st Class (Hons)

University Of Leeds | Leeds, UK

Jul 2023

Notable Modules: Machine Learning - Artificial Intelligence - Intelligent Systems and Robotics - Web Services and Web Data - Computer Graphics - Data Mining - Software Engineering Principles - Business Analytics - Small Business Internationalisation and Growth - Introduction to Management

SKILLS

- Excellent communication skills, both written and verbal honed through presentations at conferences all over the UK
- Strong analytical skills, enabling success in the fast-paced and ever-evolving world of technology.
- Creative problem-solving ability, leading to unique solutions to complex problems and thinking outside the box.
- Highly adaptable, able to work effectively in a variety of environments.

TECHNICAL SKILLS

- **Python** - Over 10 years of Python experience, with expertise in Django, Flask, and FastAPI. Advanced skills in Python development demonstrated through numerous projects.
- **JavaScript** - 3+ years of JavaScript experience, skilled in full-stack development with React, Next.js, and Node.js. Proficient in ES6 and TypeScript.
- **HTML/CSS** - 5 years of experience in HTML & CSS, specializing in front-end development with HTML5, CSS3, Tailwind CSS, and Bootstrap.
- **C** - 3 years of experience in C, with a strong foundation in core principles and a portfolio of university assignments and a computer graphics project using C and CMake.
- **C++/C#/Java** - Under a year of experience in C++, C#, and Java, with a solid grasp of Object-Oriented Programming and practical experience in small projects and Unity games.

- **SQL** - 2 years of experience in SQL, skilled in queries, database design, and management. Proficient with MySQL and SQLite.
- **Git** - 4 years of experience with Git, proficient in version control, branching, merging, and conflict resolution. Experience with GitHub and GitLab.
- **Solidity** - Beginner in Solidity with a successful university project developing a smart contract for a decentralized ticketing system.
- **Swift** - Beginner in Swift with one iOS app development project. Ongoing learning in Swift.

ACHIEVEMENTS

- Excellent Work Experience Award at Maplin
- Presented research for EAL students in speeches across UK at SSAT events
- Head Prefect team member
- Effectively managed front-of-house duties at a major UK retailer during peak season, maintaining customer satisfaction amidst high footfall.

PROJECTS

- Designed a **website** for **FightHungerNow**, a charity focused on addressing hunger issues in urban areas and communities worldwide.
- Technical **consultation** for **vanity-eyewear.com**
- Technical consultation for **Syalla Tutors**, a company providing educational support to A-Level and GCSE students.
- Created **Project SOS** and **Project Implosion**, two **mobile games** utilizing **Unity** for development.
- Currently working on a **mobile IOS/android app** called “**Convoy**”, a project I hope to launch later this year.
- Various **web design** projects for small clients – pro bono – strictly to develop my personal skills
- Ongoing development of my **personal website** as listed above.

HOBBIES

- Passionate flight enthusiast with a long-standing aspiration to become a pilot, engaging in flight simulation since age 10 to gain comprehensive knowledge of flying.
- Began my journey in computer science through early interest in gaming, starting with PS1 at age three and later building a powerful gaming PC for high-end gaming experiences. Gaming forms a core aspect of my personality and hobbies, and I would love to enter the game industry one day.
- Enjoy watching F1, playing cricket, and recently took up golf as a hobby, reflecting a diverse range of interests.