

# Max Sherman

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Motivated Computer Science graduate with a passion for software development and with a year of experience in product engineering. Throughout an industrial placement with Jaguar Land Rover, I have improved my skills in software development, testing, and project management. Known for a proactive approach, I was promoted to a leadership role within 6 months of starting my placement. Proven ability to adapt quickly to new environments and circumstances.

## Education

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**University of Brighton**, Bachelor with Honours in Computer Science – UK September 2021 – May 2025

- GPA: 80 (First Class)
- **Coursework:** Algorithms, Artificial Intelligence, Cyber Security, Data Mining, Data Structures, Functional Programming, Mobile Application Development, Object Oriented Programming, Usability Evaluation, Web Development

**Stedelijk Gymnasium Nijmegen**, VWO Gymnasium in Applied Sciences – NL August 2015 – June 2021

- GPA: 74
- **Coursework:** Advanced Mathematics, Advanced Physics, Ancient Greek, Art History, Biology, Chemistry, Computer Science, Dutch, English

## Experience

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**Software Undergraduate Placement**, Jaguar Land Rover – UK July 2023 – July 2024

- Developed and optimised AUTOSAR-compliant Simulink models for powertrain control systems, increasing model efficiency and maintainability by over 60%
- Supported defect resolution pipeline from MIL to HIL testing, identifying and resolving issues early in the development lifecycle
- Collaborated with hardware, calibration, and testing teams to ensure seamless software-hardware integration
- Promoted to Function Owner within six months, managing a team of engineers and acting as liaison between JLR and external suppliers
- Quickly adopted industry-standard tools such as MATLAB, GitLab, JIRA, and AUTOSAR, ensuring seamless integration of software components and maintaining project timelines

**Various hospitality roles**, Various companies – NL & UK July 2021 – Present

- Worked in high-pressure, fast-paced environments, delivering excellent service while managing time-sensitive tasks during high-profile events such as the Dutch Grand Prix and Royal Ascot
- Adapted quickly to different job roles and responsibilities, managing small teams and independently overseeing venue operations, including opening and closing restaurants
- Enhanced interpersonal and communication skills by interacting with a wide range of clients and colleagues

## Extracurricular

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**Software Development Project Manager**, DRIVEN – UK July 2023 – July 2024

- Led the software development of an Formula 24 racecar, coordinating the team to deliver embedded control software using VS Code, PlatformIO, and GitLab
- Managed the project lifecycle, from design to testing, demonstrating leadership, time management, and strategic problem-solving
- Received two "DRIVEN Amped-Up" awards for exceptional leadership and dedication, recognizing my proactive approach and commitment to the project
- Played an integral role in the car's software and hardware integration, frequently collaborating with the hardware and testing teams

**Captain and Welfare Officer**, University of Brighton Men's Hockey team – UK      September 2021 – April 2025

- Served as team captain, leading strategy, team organization, and match-day decisions, encouraging collaboration and motivating the team
- Supported the well-being of over 20 team members, ensuring effective communication and team cohesion
- Led the team to a successful season, contributing to the "Club Colours" award in 2025 and the "Team of the Year" award in 2023 through strong leadership and collaboration

**End of year project**, Vectioneer – NL      September 2020

- Designed and built a Hexacopter from scratch with a colleague, handling both hardware assembly and software programming
- Documented the process and worked efficiently under tight deadlines, improving technical and teamwork skills

**Hockey clinics**, UNION Hockey Club – NL      April 2019

- Delivered introductory hockey clinics to children, developing leadership, organization, and communication skills in a coaching environment

## Projects

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**Full-Stack Web Application for Investment Health Checks**      Investmenthealthchecks.com

- Built a secure platform for clients to submit investment data and receive personalised health checks
- Implemented client and admin dashboards with role-based access, file uploads, and payment processing
- Designed a responsive, modern UI for a seamless user experience
- Tools Used: Next.js, TypeScript, Supabase, AWS S3, Tailwind CSS, Resend, shadcn/ui, Recharts

**Website for CWD Consulting**      cwdconsulting.vercel.app

- React and Next.js based website for CWD Consulting, offering an overview of their services and research
- Responsive and modern website design, including dynamic components and contact forms
- Tools Used: React, Next.js, Tailwind CSS

**F1 Data Analysis Tool**      github.com/maxsherman1/f1-data-analysis-tool

- Web-based tool that combines data visualisation with statistical analysis on Formula 1 data
- Final year project for the University of Brighton. Report: 85, presentation: 95
- Tools Used: Python, PyCharm, Git, GitHub

## Skills

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| • Languages: Python, Java, C, C++, HTML, CSS, TypeScript, SQL, LaTeX              | • A solid understanding of Mathematics                   |
| • Technologies: Git, MatLab, Simulink, JIRA, Office                               | • Experience with Agile methodology                      |
| • Testing: Unit, Integration, System, Black Box, White Box, MIL, SIL, PIL and HIL | • Ability to interpret and analyse data                  |
| • Lean Six Sigma Yellow Belt Certification  | • Strong adaptability and quick learning                 |
| • Experience with following international standards such as ISO 26262             | • Academic and technical writing skills                  |
|   | • Comprehension of legal and ethical matters             |
|   | • Fluent in Dutch and English, currently learning German |

## Interests

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Hockey, fitness, cooking and music (pianist) – all activities that require dedication, focus, and a team-oriented mindset.

**References available upon request**