

# 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

<b>University of Brighton</b> , Bachelor with Honours in Computer Science – UK	September 2021 – May 2025
<ul style="list-style-type: none"><li>• GPA: 80 (First Class)</li><li>• <b>Coursework:</b> Algorithms, Artificial Intelligence, Cyber Security, Data Mining, Data Structures, Functional Programming, Mobile Application Development, Object Oriented Programming, Usability Evaluation, Web Development</li></ul>	
<b>Stedelijk Gymnasium Nijmegen</b> , VWO Gymnasium in Applied Sciences – NL	August 2015 – June 2021
<ul style="list-style-type: none"><li>• GPA: 74</li><li>• <b>Coursework:</b> Advanced Mathematics, Advanced Physics, Ancient Greek, Art History, Biology, Chemistry, Computer Science, Dutch, English</li></ul>	

## Experience

<b>Software Undergraduate Placement</b> , Jaguar Land Rover – UK	July 2023 – July 2024
<ul style="list-style-type: none"><li>• Developed and optimised AUTOSAR-compliant Simulink models for powertrain control systems, increasing model efficiency and maintainability by over 60%</li><li>• Supported defect resolution pipeline from MIL to HIL testing, identifying and resolving issues early in the development lifecycle</li><li>• Collaborated with hardware, calibration, and testing teams to ensure seamless software-hardware integration</li><li>• Promoted to Function Owner within six months, managing a team of engineers and acting as liaison between JLR and external suppliers</li><li>• Quickly adopted industry-standard tools such as MATLAB, GitLab, JIRA, and AUTOSAR, ensuring seamless integration of software components and maintaining project timelines</li></ul>	
<b>Various hospitality roles</b> , Various companies – NL & UK	July 2021 – Present
<ul style="list-style-type: none"><li>• 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</li><li>• Adapted quickly to different job roles and responsibilities, managing small teams and independently overseeing venue operations, including opening and closing restaurants</li><li>• Enhanced interpersonal and communication skills by interacting with a wide range of clients and colleagues</li></ul>	

## Extracurricular

<b>Software Development Project Manager</b> , DRIVEN – UK	July 2023 – July 2024
<ul style="list-style-type: none"><li>• Led the software development of an Formula 24 racecar, coordinating the team to deliver embedded control software using VS Code, PlatformIO, and GitLab</li><li>• Managed the project lifecycle, from design to testing, demonstrating leadership, time management, and strategic problem-solving</li><li>• Received two "DRIVEN Amped-Up" awards for exceptional leadership and dedication, recognizing my proactive approach and commitment to the project</li><li>• Played an integral role in the car's software and hardware integration, frequently collaborating with the hardware and testing teams</li></ul>	

**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

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, dynamic, and interactive user interface for a intuitive user experience
  - Tools Used: React, Next.js, Amazon Web Services, TypeScript, SQL, CSS

[github.com/maxsherman1/f1-data-analysis-tool](https://github.com/maxsherman1/f1-data-analysis-tool)

- Developed a telemetry visualisation and statistical analysis system for motorsport, designed to provide actionable insights from complex Formula 1 data
  - Final year project for the University of Brighton. Report: 85, Presentation: 95
  - Tools Used: Python, Pandas, Matplotlib, Plotly, SciPy, Statsmodels

**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

## Skills

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

### Interests

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

**References available upon request**