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Curious STEM graduate with a 2:1 in Mechanical/Aerospace Engineering with a passion for the Finance industry and robust experience in full-stack development, data analysis, and prototyping. Demonstrated ability to lead innovative engineering projects and develop dynamic web applications using technologies like Python, JavaScript, and ReactJS. Possess a growth mindset, strong problem-solving skills, and a genuine passion for technology.

TECHNOLOGIES:

Python, SQL, C++, MATLAB, JavaScript, ReactJS, NodeJS, jQuery, Jest, API, HTML, CSS, GitLab, Yaml

WORK EXPERIENCE:

Full Stack Developer – Part Time Internship

Devatop – Centre for Africa Development

London, Remote (09/2023 – 12/2023)

- Led the revamp frontend and backend of a UNICEF-sponsored website increasing performance by 60% and user engagement by 30% through improved data and intuitive design.
- Employed Python for data organisation and visualisation, ensuring adherence to company coding standards through thorough code reviews, directly supporting research initiatives and government funding efforts.

NPI Manufacturing Engineer – Year Long Placement

Cummins Inc.

Daventry, UK (2022 – 2023)

- Led presentations on manufacturing aspects during component design reviews and engine integration meetings for global teams. Addressed design, manufacturing, and electronics issues, working under tight deadlines to develop solutions. This role provided comprehensive insights into the full manufacturing cycle, from conceptual design to final production.
- Introduced Virtual Reality and 3D printing technologies to prototype assessment in my department, achieving a 15% reduction in production costs and enhancing prototype efficiency, demonstrating adaptability in high-stakes environments to solve technical problems.
- Collaborated with cross-functional teams globally to address engineering and logistics issues, driving projects to completion under tight deadlines. Excelled in translating technical findings into actionable insights for internal stakeholders.

Duty Manager

McDonald's

London, UK (2019 – 2022)

- Oversaw daily shift operations, ensuring all machinery functioned smoothly and maintaining high levels of customer satisfaction. Managed and coordinated a team of up to 50 employees per day, optimizing efficiency, quality and customer service.

EDUCATION:

- **MEng Mechanical Engineering / Aerospace Engineering Meng (2:1)**

University of Southampton

Southampton, UK (2019 – 2024)

- **Full Stack Developer Bootcamp (100%)**

Trilogy

London, UK (2022 – 2023)

PERSONAL SKILLS:

- **Interpersonal & Communication** – Fluent in five languages, with cross-cultural communication skills honed through team-based projects in engineering and software development. Able to present technical concepts effectively to both technical and non-technical stakeholders.
- **Growth Mindset** – Continuously seeking to genuinely learn and apply new technologies and methodologies, demonstrated through completing a full-stack bootcamp while working full-time.
- **Analytical and Critical Thinking** – Led projects with budgets up to \$5 million, employing data-driven decision-making to resolve complex manufacturing challenges. Collaborated with cross-functional global teams to troubleshoot engineering and logistics issues.

PROJECTS:

- **Cover Letter Generator:** Build a full-stack application which uses the OpenAI API to generate tailored cover letter based on user's CV and job description, this AI-driven tool reduces cover letter writing time by 65% and was made to help non-English-speaking students to support their university journey and job search.
- **Personal Finances Tracker:** Developed a web application using personal bank APIs to filter and analyse personal financial data, allowing me to assess personal financial growth, track profits and losses from investments, and identify categories for cost-cutting.