Vincent Vanhegan

Nottingham

Vincent.vanhegan@gmail.com , +44 7913 237 341

Highly inquisitive, 3rd year Mechatronics student with a passion for problem solving. Recently completed a year long group project creating an autonomous line sensing buggy with a final grade of 78%. Looking to continue broadening and develop my understanding of electronics whilst getting some practical experience.

Education

2022-2027   **The University of Manchester**

MEng Mechatronic Engineering with Industrial Experience (Predicted first)

Relevant Modules included: Applied Mechanics & Industrial Robotics, Concurrent Systems, Control Systems II and Machines, Drives & Power Electronics

2014-2021   **Rushcliffe Spencer Academy, Nottingham**

A-Levels: Maths (A*), Further Maths (A*), Physics(A), Computer Science (A*)

GCSEs: Further Maths (A*) & 7 Grades 9-7 including Science (9), Maths (9), Computer Science (9) and English Lit/Lang (6/5)

Positions of Responsibility

09 21 – current: Loungers PLC

Shift Supervisor

- Accountable for opening and closing of site and for handling cash
- In command of staff members and site for 7-9 hour periods
- Responsible for receiving and checking food and drink orders including allergen management
- Resolved employee and customer problems

Developed Skills: Managerial, Customer Service, Communication & Time Management

09 23 – present: Manchester Kabaddi Club

2nd Team Captain

- Organised Team formation, recognising members strength and weaknesses
- In charge of running trainings and organising club members, ensuring productive time usage
- Managing my team during tense and demanding game situations whilst keeping up morale

Developed Skills: Organisation, Time management & Communication

Technical Experience

2024-2025   **Individual Project,** The University of Manchester
- Analysed existing solutions to identify areas of improvement and gaps in development
- Wrote technical specifications for a robot for exploring confined spaces in rubble
- Designing rigid bodied robots for use in hybrid vine robot system

2023-2024   **Embedded Systems Project**, The University of Manchester

- Co-wrote technical documents and project proposal, hence developing technical writing skills
- Delegating tasks as group leader
- Managing team cohesion through troubleshooting problems and open communication, developing organisational and communication skills
- Contributed to software development for motor control and PCB design for Sensor array

2022-2024   **Electronics Laboratory work**, The University of Manchester

- Analysed behaviour of amplifier-based circuits
- Coding and debugging of assembly and high-level Microcontroller programming
- Computer Aided Design including SolidWorks and Altium PCB

2022   **Electronics Project**, The University of Manchester

- Involved soldering and analysing a printed circuit board to carry out testing and fault-finding
- Developed skills in CAD software such as SolidWorks and Altium PCB, as well as strong attention to detail

Additional Skills

Full Driving Licence

IT: Basic IT literacy skills such as Microsoft office (e.g. Word, Excel & PowerPoint) used in technical report writing, data collation and disseminating results

Coding: C++, C#, Python, Full stack website Development (incl. HTML, JavaScript, PHP, SQL)

Interests and Activities

Sports (Volleyball, Squash, Kabaddi, Basketball, Bouldering, novice Wrestling)

Leisure Activities (Hiking, Running, DIY, Music, Baking)

Volunteering (Friends of Sharphill Woods & Friends of Fletcher Moss)

References available on request