

# POSTGRADUATE PERSONAL STATEMENT EXAMPLE

## AUTOMATION CONTROL & ROBOTICS

This is a real-life postgraduate personal statement example for **Automation Control and Robotics**. You're welcome to use it to inspire your own content, but a reminder:

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### Personal Statement Example: Automation Control and Robotics

“Kill the middleman of necessity, push power to the edges and build systems that are equally fair for the least amongst us.” These powerful words, spoken by blockchain entrepreneur Charles Hoskinson, ignited a spark in my professional and personal life. They have led me to pursue skills and forge tools to liberate and empower local communities and global societies. I believe that manufacturing must be increasingly democratised and that distributed ledger networks will play a crucial role in bringing this reality to fruition. I am determined to play a leading role in this technological transformation, and this ambition is the motivation behind my application to read for a postgraduate degree in Automation Control and Robotics at Marshall University.

Studying Mechanical Engineering as an undergraduate, I completed several practical projects. These provided me with the academic and practical foundations necessary to meet the demands of this course. I learned and applied PLC ladder programming to regulate and monitor tank water levels, giving me a theoretical and practical understanding of navigating with Simulink. Frequent exposure to LabVIEW and MATLAB deepened my data analysis and algorithm development skills. Investigating redundant and current control systems used across several industrial plants increased my interest in the positive impact and value of automation systems that reduce human intervention across a range of processes. I also became increasingly aware of the relationships between elements that comprise typical control systems, from hydraulic components to software packages.

The range of available specialisms within Mechanical Engineering made it an exciting and diverse choice for undergraduate study. Keen to develop a comprehensive understanding of the field, I focused on composites, control systems, ergonomics and design, which will inform my postgraduate studies.

After graduating during the pandemic, I was fortunate to find work as an ESL STEM teacher. This insightful experience has taught me much about teamwork, communication and balancing my professional and personal responsibilities. During this time, I became aware of

the tremendous potential for blockchain technology to be applied to existing industries and organisations. Seeing this as an opportunity, I co-founded a company called Definite Capital, where over 15 individuals have united in innovating and researching the future of blockchain technology, Web3 and the metaverse. Consequently, I have recognised the tremendous opportunities inherent in the automation industry. I believe decentralised autonomous organisations will have the ability to use blockchain for cybersecurity and data logging purposes on a massive scale.

Having lived and studied in the UK for many years, I recognise the value of the English education system and am looking forward to returning for postgraduate study. I find the extensive industry reputation Marshall University enjoys attractive, and I am keen to engage with this MSc's problem-based, practical aspects. I am particularly interested in participating in engineering research projects at the Automatics and Robotics Research Centre, developing my advanced technical and problem-solving skills. I aim to build an impactful career in this field, and my experiences, qualifications and ambitions make me an ideal postgraduate candidate.

