THE WARWICK SUB TEAM

Karam



Team Lead / Hydraulics

I'm a mechanical engineering student with a particular interest in mechanical design. Through Formula Student and other engineering projects, I've worked on everything from CAD modelling to CFD simulations. I enjoy the challenge of taking an idea from an initial calculation to a practical design, especially when it means balancing performance, weight, cost, and the realities of manufacturing. For Godiva VIII, I'm looking forward to applying that experience to a very different kind of vehicle, learning from the team, and helping turn our designs into something that works in the water. Most of my engineering interests so far have involved keeping vehicles firmly on the ground, so I'm looking forward to designing something that sinks.

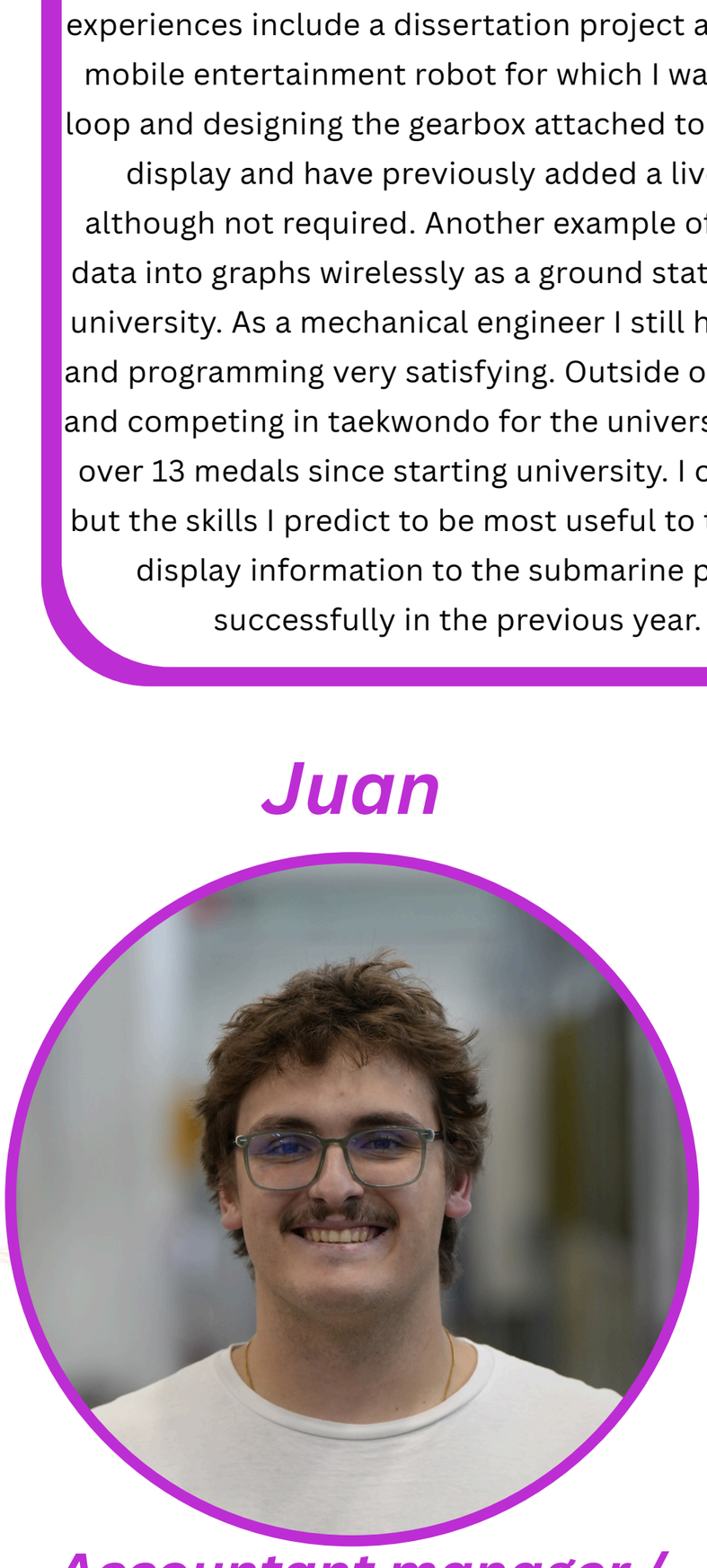
Niamh

Hi I'm Niamh, known for being bubbly and enthusiastic, that doesn't stop me from having a persistent and ambitious attitude towards the submarine and the competition. My previous experiences include a dissertation project about composites, a design project which produced a mobile entertainment robot for which I was responsible for programming the think, sense, act loop and designing the gearbox attached to the motors. I am also efficient in data collection and display and have previously added a live screen display of data to projects where useful although not required. Another example of this includes having collected and interpreted live data into graphs wirelessly as a ground station role I held in smaller STEM competitions prior to university. As a mechanical engineer I still hold the CAD and FEM skills required but I find wiring and programming very satisfying. Outside of academics I release my competitive energy training and competing in taekwondo for the university as a scholar and for my club in London, amassing over 13 medals since starting university. I consider myself a well-rounded engineer and person but the skills I predict to be most useful to the submarine will be my data display experience, to display information to the submarine pilots, which Warwick Submarine did not achieve successfully in the previous year. We will this year (I'll make it happen haha).



Project manager / Electronics

Juan



Accountant manager / Design & Manufacture

I was born in Madrid, Spain and I have been studying Mechanical Engineering for the past 3 years and I can say with confidence that it is what I want to dedicate my life to. Throughout my life I have always been hardworking and curious, this has led me to work on the Warwick Human powered submarine as my Masters final group project. During my studies I have learnt many skills that are going to play a big role, some skills will help in the designing part of the build such as knowing how to work with fusion360 and Abaqus software. What I am most excited for is the actual manufacturing and putting together of the submarine, I consider myself to be handy but more importantly I enjoy the problem-solving end of the manufacturing process whenever there is an unexpected problem or any miscalculations. I like to see how digital models and theoretical values hold up in the real world.

Dan



Marketing & Communications manager / Design & Manufacture

I didn’t grow up knowing I wanted to be an engineer, but I have a feeling that my parents certainly did. With a childhood filled with LEGO sets, crafts, and pulling apart anything I could get my hands on, there were signs that this is the path I would follow. Fast-forward a few years to Warwick University, I’m here studying General Engineering in my master’s year with a focus on manufacturing techniques and operations management. During my third year, I spent my time writing my dissertation on a materials transport system that I designed and built to move components through an assembly line. I firmly believe in a healthy work-life balance though, so away from my degree my time is mostly spent bartending at the student union bar and club, as well as running socials for the university Dodgeball Club. Plenty of nights to remember, but most of them hazy, just how I like it.

Nathan



Sponsorship manager / Electronics

I’m a Mechanical Engineering student by trade and my love of engineering started with a very small, very fast car. In F1 in Schools my team designed and built a miniature race car, raised £3,000 in sponsorship and finished 5th in the world. Since then, I’ve moved from racing to farming. For my dissertation I worked with G’s Fresh on a robotic end effector that harvests and peels spring onions, complete with sensors and Arduino control. What I enjoy most on the course is modelling, whether that’s maths or design, but one project I really enjoyed was building a dummy patient arm with a fistula so nurses could practise a procedure before trying it on real patients. Away from the desk I hold the Chief Scout’s Gold Award, so you’ll often find me hiking or camping somewhere with no signal. I also play chess, swim, and play football for the Afro-Caribbean Society. After race cars and spring onions, a pedal powered submarine was the obvious next step.

Daniel K



Outreach manager / Propulsion

Hi, I’m Daniel or Dan, and I’ll be part of the Warwick Sub team this year. I’m a fourth year mechanical engineering student with previous experience on the Chassis and Drivetrain team at Warwick Moto. Outside engineering, i’m a sprinter who has competed at a regional level and an avid reader. For the ISR next June, I hope to help build something innovative, a submarine that strays from typical competition design. I’m also looking forward to learning from the other team members and project supervisors, learning to scuba dive, and seeing the finished submarine in the water in America.



