BENAS VAICIULIS

RESIDENTIAL PRODUCT ENGINEERING INTERN

0410048970 | benasvaiciulis@gmail.com | Sydney, NSW, Australia | www.LinkedIn.com/benasvaiciulis

ABOUT ME

As a highly motivated and results-oriented mechatronics engineering student with a strong foundation in control systems. I am eager to contribute to Tesla Energy's mission of accelerating the world's transition to sustainable energy. I have a proven track record of troubleshooting complex technical challenges, analyzing data to drive product improvements, and collaborating effectively with cross-functional teams to achieve project goals. My passion for innovation and commitment to excellence make me a strong candidate for this internship, and I am confident that I can make a significant contribution to Tesla's Residential Product Engineering team.

WORK EXPERIENCE

Junior Engineer | Ino Sport

2022 - 2023

- I improved design accuracy by resolving 100% of assembly tool challenges, ensuring precise 3D models and technical drawings in Autodesk Inventor, which reduced manufacturing errors and rework time by 30%.
- I enhanced product reliability by identifying and correcting design inefficiencies during reviews, reducing defects by 25% and improving overall performance.
- I accelerated PCB development by translating schematics into functional designs using Fusion 360, ensuring seamless cross-functional collaboration and reducing design iterations by 20%.

EDUCATION AND CERTIFICATION

Student | Robotics & Mechatronic Engineering | University of New South Wales

2023 - Present

- Designed and iterated a functional bionic arm, utilizing a structured troubleshooting process to identify and resolve performance issues, leading to enhanced usability.
- I improved system security by developing a digital lock using XILINX ISE, optimizing troubleshooting and process improvements for reliability.
- I streamlined digital organization by creating a C-based Virtual Bookshelf Manager, applying logical design and problem-solving for efficient data management.
- Developed a Carpark System Simulation that optimized parking operations by analyzing space utilization data and generating reports to improve efficiency.

Student | Oundle School

2017 - 2022

Chemistry, Design & Engineering, Mathematics, Physics

TECHNICAL SKILLS

SolidWorks | Fusion360 | XILINX ISE | Javascript, C, C++ | Microsoft Office