

Benas Vaičiulis

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SUMMARY

As a motivated mechatronics engineering student with a strong foundation in control systems, I am passionate about driving sustainable energy solutions. With proven experience troubleshooting technical challenges, analyzing data for improvements, and collaborating across teams, I bring innovation, precision, and dedication to every project — ready to make a meaningful impact in advanced engineering environments.

KEY COMPETENCIES

Troubleshooting complex technical challenges	Programming
3D modeling and technical drawing	CAD and CAM
PCB development and schematic translation	Strong cross-functional collaboration and communication
Structured problem-solving and process optimization	Data analysis for product improvement

PROFESSIONAL EXPERIENCE

InoSport

Engineering Intern

Aug 2022 - Feb 2023

Improved design accuracy by resolving 70% of assembly tool challenges, reducing manufacturing errors and rework by 30%.

Enhanced product reliability by identifying and correcting design inefficiencies, reducing defects by 25% and improving performance.

Accelerated PCB development by translating schematics into functional designs, improving collaboration and reducing design iterations by 20%.

Nida Genys

June 2022 - Aug 2022

Bartender

Prepared and served a variety of beverages with precision and creativity, consistently meeting or exceeding quality standards, and receiving compliments for latte art and presentation.

EDUCATION & CERTIFICATIONS

Bachelor of Robotics and Mechatronic Engineering

University of New South Wales, Sydney

Feb 2023 - Present

High School

Oundle School - UK

A-levels: Mathematics, Physics, Design & Engineering

Feb 2014 - Jun 2022

EXTRACURRICULAR ACTIVITIES

Mountaineer

Mount Breithorn 2015 - Switzerland

Mount Kazbek 2017 - Georgia

Mount Kilimanjaro 2025 - Tanzania

Mount Manaslu 2028 (Target) - Nepal

Mechanical Engineering Society

Member - Present

UNSW - Colombo House

Resident Advisor - 2024

TECHNICAL SKILLS

Solidwords & Fusion 360

Xilinx ISE

ChatGPT & Gemini & Claude

Microsoft Office

MATLAB & Simulink

Arduino & Raspberry Pi

C & C++ & Javascript & typescript & Python

Git & GitHub