

AUSTIN CLEARY

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Overview

I am a fourth-year Aerospace Engineering and Mathematics student at the University of Sydney, graduating in November 2026. As a proactive and team-oriented individual looking for opportunities to begin my professional career; gain industry experience, build professional connections and develop my skills.

Education & Achievement

University of Sydney	2022 - Present
Bachelor of Engineering Honours (Aerospace) and Bachelor of Science (Mathematics)	
<ul style="list-style-type: none">Attained a High Distinction with a Weighted Average Mark & Dalyell Scholar Recipient	
St Pius X College Chatswood - ATAR 98.75	2016-2021

Transferable Skills

Communication - Demonstrates excellent written and verbal communication skills through teamwork in the USYD Rocketry Team and professional interactions with clients and colleagues at Cromer Golf Club, Hireup, and Woolworths.

Adaptability - Thrives in fast-paced environments, effectively prioritising to meet demands deadlines.

Problem solving - Skilled in analysing and resolving complex problems, evident in the design and manufacture of rocket components.

Teamwork and Leadership - Actively contributes to group projects and takes on leadership roles. These skills are enhanced through mentoring new members in the USYD Rocketry Team and captaining Wakehurst Rugby Club.

Technical Skills

SolidWorks 3D CAD & FEA - Proficient in SOLIDWORKS CAD and ANSYS Finite Element Analysis (FEA). Advanced through application in design of system components for USYD Rocketry Team.

Programming - Python, MATLAB, Simulink and R developed and applied through University coursework and engineering projects for USYD Rocketry Team.

Technical writing - Produces clear technical reports and documentation and interpreting complex material.

Data Analysis - Skilled in signal processing, IPCT, filter design, uncertainty analysis, visualising using Python.

Mathematical - Proficiency in Calculus, Linear Algebra, Complex Analysis and Abstract Mathematics.

Proficiency in Microsoft Tools - Advanced proficiency in Microsoft Excel, Word, Outlook, and PowerPoint.

Experience

USYD Rocketry Team	2024 - Present
Structures Engineer	
<ul style="list-style-type: none">Collaborated on the design and analysis of the rockets body frame under launch and testing loadsUtilized Python and MATLAB to automate structural performance analysis and stress evaluationDesigned and manufactured 3D-printed mounts for pneumatic air systems	
Cromer Golf Club	2022 - Present
Horticulture and Maintenance	
<ul style="list-style-type: none">Performing regular maintenance to the golf courseAssisting with major redesign and construction projects, enhancing the club's facilities	
Hireup	2022 - Present
Disability support worker	
<ul style="list-style-type: none">Supporting children and adolescents in accessing the community and building independence	
Woolworths	2019 - 2022
Customer Service	
<ul style="list-style-type: none">Delivered exceptional service to customers in a fast-paced retail environment	

Referees

Leon Hennesy: General Manager of Cromer Golf Club - 0422 699 717

Neville Thomas: Rugby Coach & Head of Change Risk Commonwealth Bank - 0411 288 181