

Harry Ramsay

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EXPERIENCE

Research Assistant

Swansea University

2022

- Conducting wind tunnel force-balance and pressure measurements using Swansea's low speed wind tunnel to characterise the performance of varying vortex generator designs.
- Provide real-time and daily updates to remote project partners through custom web portal.
- Use a range of post-processing techniques on the large array of data generated.

Research Assistant/Masters Project

City, University of London

2021-2022

- Experimental study of a novel laminar-flow-enabling leading edge seal.
- In partnership with Innovate UK, NATEP and ATI.
- Making use of the NWTF transonic wind tunnel at City, University of London.
- Use of a number of experimental techniques including Schlieren imaging and Laser Doppler Anemometry.

Third Year Undergraduate Project

City, University of London

2020-2021

- Investigation on *Laminar-Turbulent transition sensitivity on low-Re UAV control surfaces*.
- Experimental data was gathered using City's T2 wind tunnel with theoretical data produced in XFoil with custom aerofoil geometry.

Practical Experience

Various Workshops and Track-Side Locations.

Ongoing

- Assist in the fabrication and manufacture of aluminium monocoque chassis'.
- Race support mechanic for classic racing events at circuits such as Goodwood and Spa-Francorchamps.

Global Leadership Programme

RMIT University Vietnam

June 2019

- Selected for a fully-funded four-day course held at RMIT Vietnam's Saigon South campus to improve leadership and communication skills.

EDUCATION

PhD Aeronautical Engineering

City, University of London

2022 - Now

Influence of sweep on the behaviour of Laminar Separation Bubbles

MEng Aeronautical Engineering

City, University of London - First Class

2018 - 2022

Modules taken include Mathematics, Fluid Mechanics & Thermodynamics, Solid Mechanics, Mechatronics, Flight Dynamics & Control

SKILLS

<i>Languages</i>	Python, L ^A T _E X, MATLAB, HTML
<i>Engineering</i>	SOLIDWORKS, Fusion360, AutoCAD, Ansys Fluent, Workshop and Manufacturing
<i>Experimental</i>	Wind Tunnel Testing, Schlieren Imaging, LDA, Surface Flow, Pressure Testing
<i>Professional</i>	Adobe Suite (Photoshop, Illustrator, InDesign), Microsoft Office, Photography
<i>Hobbies</i>	Cycling, Music (Keyboard, Drums, Theory)