



# BMNZ Scholarship: Finley Underhill, Advancing his Career as a Nuclear Scientist



## ABOUT FINLEY UNDERHILL

Finley, from Yeovil, UK, is an MSc Advanced Heat Engineering alumni at Cranfield University, and a recipient of the Brian Meredith Net Zero Scholarship. Driven by a passion for sustainable energy, he's committed to advancing clean energy solutions, including renewables and nuclear power, to help secure a decarbonised future.

Finley is currently a Graduate Scientist at the UK National Nuclear Laboratory, advancing research and development for High Temperature Gas Reactors (HTGRs).

## FINLEY'S NETZERO CONTRIBUTION

With the support of the scholarship, Finley was able to contribute to net-zero goals by conducting research on the Radiant Syngas Cooler (RSC), a breakthrough solution for enhancing biomass gasification efficiency. Through advanced CFD modeling, the RSC recovers 91.7% of heat from hydrogen-rich syngas while minimizing contamination and corrosion risks. Built with high-performance materials, it ensures durability, long-term efficiency, and reduced maintenance costs, making it a key innovation in sustainable energy systems.

Finley's MSc at Cranfield University, supported by the Brian Meredith Net Zero Scholarship, provided him with the knowledge, skills, and opportunities to advance his career as a nuclear scientist. The scholarship positioned him at the forefront of sustainable energy innovation. Now a Graduate Scientist at the UK National Nuclear Laboratory, Finley is contributing to the future of clean energy through advanced reactor development.

## ABOUT THE FUND

The Brian Meredith Net Zero Scholarship, offered by Green Future Investments Limited (GFIL) and Cranfield University, recognises academic excellence, financial need, and dedication to sustainability. It supports students passionate about advancing net-zero goals, providing career development opportunities in sustainability and contributing to a greener future

## AT A GLANCE

### Finley Underhill

- BMNZ Scholar
- Passionate about sustainable energy
- Nuclear Scientist at UK National Nuclear Laboratory.

## THE FUND

- Funding value £20,000 in total
- For Full-time students studying in Cranfield



"My time at Cranfield, and my journey into the nuclear industry would not have been possible without the Brian Meredith Net Zero Scholarship I received from Green Future Investments Ltd"

## FINLEY UNDERHILL

Brian Meredith Net Zero Scholar  
Nuclear Scientist at National Nuclear Laboratory