

## Education

PhD candidate, University of Cambridge

October 2022 – Present

- Thesis title: Learning 3D printers
- Supervisor: Dr. Sebastian Pattinson (Complex Additive Materials Group)
- Grant: EPSRC DTP Studentship Award

MSc in Artificial Intelligence, Imperial College London

September 2021 – September 2022

- Degree result: Distinction
- Thesis title: Physics-informed Neural Networks in Laser Powder Bed Fusion
- Supervisors: Dr. Paul Hooper, Pr. Andrew Davison

BEng in Mechanical Engineering, University of Birmingham

September 2017 – June 2021

- Degree result: First Class Honours
- Dissertation title: Characterisation of Nanoparticle Emissions released from Fused Deposition Modeling
- Supervisors: Pr. Athanasios Tsolakis, Dr. Jose M. Herreros
- Awards: *Institution of Mechanical Engineers prize, Ellis, Linning, and Sandifer prize and J. Brown prize*

## Professional Experience

Placement, International Business Machines

June 2019 – June 2020

- Retrieved and distributed situational intelligence for the ISIM and ISAM teams of the Security Division.
- Handled more than 4000 cases of various severities, always with efficiency and on a timely manner.
- Certified Professional AI Engineer: Worked with C, C++, Python, JavaScript, React and VB for API development.

Reserve Second Lieutenant, National Guard of Cyprus

July 2015 – January 2017

- 4-month special forces training in Crete, Greece, 18-month service as an Officer Designate in Nicosia, Cyprus.
- Accounted for the control and maintenance of 4 military outposts in the UNFICYP Buffer Zone.
- Dealt with multiple crisis situations requiring vigilant and decisive action in a high-pressure environment.
- Developed organisational and human resources skills through the daily administration of a military company.
- Honourably promoted to Second Lieutenant for excellent service in September 2016.

## Research

### Invited Talks

Physics-informed Neural Networks in metal L-PBF, MSD Advanced Materials and Manufacturing Seminar, Lawrence Livermore National Laboratory, January 2023