



Jure Zgubic

 GitHub

 LinkedIn

 PhD website

 Email

UK resident & EU citizen

EDUCATION

University of Cambridge 2022 - 2026

PhD in climate modelling. Funded by NERC and the UK Met Office.
Aligned with *AI for Environmental Risks* Doctoral Training Centre.

University of Cambridge 2021 - 2022

MPhil by research. Thesis: Impact of convection schemes in climate models.

University of Glasgow 2017 - 2021

MSci Mathematics & Physics. First class honours.

WORK

EXPERIENCE

(Note: upcoming work!) Researcher at Lake Street Consulting Early 2024

Will set up GraphCast on an in-house GPU and evaluate its performance against specified observation criteria to identify local biases, in order to optimise its application for company clients. 3 month work placement.

Teacher at Cambridge Spark 2022 -

Teaching and tutoring machine learning, data science and Python to company clients, catering to a variety of learner expertise.

Mentor at Panda programme 2020 - 2021

Near peer mentoring scheme providing guidance and support for students.

Research intern at University of Exeter Summer 2019

Creating algorithms for obtaining the dynamics of cells to study their synchronisation.

Research intern at University of Exeter Summer 2018

Simulating thin-layer metal alloys to determine their micromagnetic properties.

AWARDS

Thomson Experimental Prize (University of Glasgow) 2021

Awarded to students with excellent Masters project investigations.

Dougall Prize (University of Glasgow) 2020

Awarded to the most distinguished students in mathematics.

Cleland Prize (University of Glasgow) 2018

Awarded to the highest laboratory grade in the physics year group.

Zois Scholarship (Republic of Slovenia) 2011 - 2021

Merit scholarship for exceptional achievements.

SKILLS

Tools Python | Fortran | Git | Vim | Linux | Excel

Technical Quantitative analysis | Data visualisation | Predictive modelling

Professional Patience | Active listening | Project & time management

Languages Slovene (native) | English (fluent) | German (elementary)

LEADERSHIP EXPERIENCE

President of the Cambridge University Lawn Tennis Club.	2023 -
Finance officer of the Cambridge Climate Society.	2022 - 2023
Treasurer of the Cambridge University Lawn Tennis Club.	2022 - 2023
University Tennis Coordinator appointed by the British LTA.	2022 - 2023
External officer of Wolfson College Cambridge.	2021 - 2022

OTHER PROJECTS

MSci Physics & Mathematics Project	2021
Investigating site percolation threshold of a square lattice with removed sites via the Monte Carlo method using the Python toolbox. Project graded 21/22.	
Mathematics Honours Level Project	2019
Investigating the theoretical framework of integrability, Liouville-Arnold theorem, and the 1D Toda lattice with examples coded in Python, culminating in a 20 page report. Project graded 20/22.	
High Energy Physics Classification Problem on Kaggle (MLHEP)	2017
Using machine learning algorithms to find traces of electromagnetic showers.	
Undergraduate of the Year Competition	2018
Finished top 4% in Computer science, IT and physics category.	
Undergraduate of the Year Competition	2017
Finished top 35 in mathematics, economics and finance category.	
Slovenian National Team Tennis Club Championships	2015
2 nd place (Tennis Club Branik Maribor team).	

OTHER INTERESTS

Macroeconomics, fiscal policy, sailing.