

Honor E. James

Curriculum Vitae

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Current role

PhD Candidate • Ludwig-Maximilians-Universität München • February 2024-present

My research focusses on magma mechanics and rheology, experimental volcanology, and rock mechanics and is funded by the ERC grant MODERATE.

Education

Master of Science by Research (MScR) in Earth Science • Durham University • October 2021-November 2022

Thesis title: *A microstructural and micromechanical investigation into shear dynamics during volcanic edifice collapse on Ascension Island: An experimental approach*

Bachelor of Science (BSc) in Geology (First Class Honours) • University of Southampton • October 2018-June 2021

Certificate of Higher Education in Environmental Science • University of Southampton • October 2017-June 2018

A levels • Reading Blue Coat School • 2017

A levels in Geology (A), Geography (B), English Literature (B), an Extended Project Qualification (A) & AS level Psychology (B).

GCSEs • Cranford House School • 2015

Ten GCSEs with 3xA*, 5xA, 2xB grades.

Awards and Scholarships

Stephen Mills full academic scholarship for Earth Sciences • Durham University • 2021

Ustinov College Travel Award to cover conference fees for EGU General Assembly • Durham University • 2021

Brian Sedgewick-Oversby Prize for ingenuity and innovation using geospatial and Geographic Informations Systems technology in final year geological mapping project • University of Southampton • 2021

Best university group presentation • Geology for Global Development Annual Conference • 2019

Travel Award • Reading Blue Coat School • 2017

Short Courses and Workshops

Gateway to the Arctic XI (upcoming) • Zugspitze, Germany • September 2025

IAVCEI Field Workshop • Galeras, Las Mesas & Pasto, Colombia • January 2025

AMÜSE Earth Science PhD Workshop • LMU München, TUM München • October 2024

Magma, Melts and Glasses Short Course • LMU München • July 2024, July 2025

Petrophysical Analysis • LMU München • April 2024

COMSOL Multiphysics finite element analysis • LMU München • October 2023

Industry, Academic and Research Experience

Co-Founder • Early Academics Society: International (EASI) • July 2023-December 2024

Administrative Assistant • Principium Ltd • August 2023-December 2023

Engineering Geologist • Tonkin and Taylor New Zealand • March-May 2023

In this role I worked on site operations and geotechnical logging for a large-scale urban drilling and ground investigations project, and worked on insurance claims for land loss and inundation following the January 2023 Auckland flooding.

Field Assistant for Durham University researchers • Alpine Fault, New Zealand • January-February 2023

Field Assistant for University of Canterbury (New Zealand) researchers • Mount Ruapehu, New Zealand • January 2023

Research Presentations • Volcanic and Mantle Studies Group Annual Conference 2021, European Geosciences Union General Assembly 2022, Utrecht University rock mechanics seminar 2022

Chemistry and Physics GCSE Tutor • Sarah Chatterton Tuition • April-December 2022

Module Demonstrator (Lab and Field) • Durham University • October 2021-June 2023

Research Assistant • Geology for Global Development • August 2020-January 2021, June-September 2021

Internship • Groundwater Relief • Summer 2020

Work Experience • Jomas Associates Geoengineering • Summer 2019

Work Experience • Hydro Research Wallingford • Summer 2015

Volunteering Experience

Organisation committee of 2025 PhD workshop • LMU München • Oct 2024 - present

MScR Earth Science Representative • Durham University • November 2021-October 2022

Fieldwork First Aid Certification • Durham University • October 2021

President of Geology for Global Development Student Chapter • University of Southampton • October 2019-July 2021

Part-time Rowing coach • University of Southampton • 2020-2021

BSc Geology Course Ambassador • University of Southampton • October 2020-July 2021

Fundraising effort totalling >£10,000 • Breast Cancer Now • 2019

Raleigh International Environmental and Community Expedition, Costa Rica • July-August 2016

Fieldwork and Conference Experience

I have conducted my own fieldwork and worked as a field assistant on number of field campaigns, most notably: Long Valley, CA (2024), New Zealand (Mount Ruapehu and Taranaki volcanic field, Alpine Fault) (2023), Scottish Highlands (2022), British Jurassic Coast (2021), Ingleton, Yorkshire (2019), Tenby, South Wales (2019), Dartmoor, England (2018), Dorset, England (2017). Recent conferences attended include IAVCEI, Geneva (2025), IAVCEI Workshop, Colombia (2025), EGU, Vienna (2024), KMT, Munich (2024), PoV, Munich (2024), EGU (2022).