JENNY WONG

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EXPERIENCE

Senior Research Software Engineer
Advanced Research Computing
University of Birmingham
📅 2021 - present

- Collaborating with research teams across the university on coding projects and providing specialist software support
- Engaging with HPC user communities and enhancing accessibility through instructor workshops and designing training course materials

Postdoctoral Researcher
Institut des Sciences de la Terre
Université de Grenoble-Alpes
📅 2020 - 2021

- Developing a cutting-edge physical model of convection and compaction in a mushy solid-liquid system, and releasing an open source code in Python

Postdoctoral Researcher
Institut de Physique du Globe de Paris
Université de Paris
📅 2019 - 2020

- Ran large-scale numerical simulations of the Earth's dynamo on HPC using Fortran and OpenMP, and post-processing data in Python

EDUCATION

PhD, MSc in Fluid Dynamics
Centre for Doctoral Training in Fluid Dynamics
University of Leeds
📅 2014 - 2018
First Class Honours

- Established a thermodynamically self-consistent model of phase change in a slurry solid-liquid system and performed simulations using MATLAB

REFERENCES

Available upon request

- Performed image analysis using MATLAB on my own experiments observing jet break-up of viscoelastic fluids

MMath, BSc in Mathematics
School of Mathematics
University of Leeds
📅 2009 - 2013
First Class Honours

SKILLS

Teamwork
I am a dynamic individual with an interdisciplinary ethos who enjoys forging research collaborations across fields

Communication
I have published 3 peer-reviewed articles and I have delivered workshops and presentations around the world to the scientific community

Leadership
I have directed and supervised MSc projects, and I have delivered course lectures and workshops

TOOLS

C/C++ Paraview MATLAB ANSYS FLUENT Fortran bash CSS Python Git HTML LaTeX Unix/Linux OpenMP Blender Visual Basic