JENNY WONG

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EXPERIENCE

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

- Developing a cutting-edge physical model of phase change and compaction in a mushy solid-liquid system and performing numerical simulations in Python

Postdoctoral Researcher
Institut de Physique du Globe de Paris
Université de Paris
📅 2018 - 2020

- Ran large-scale numerical simulations of the Earth's dynamo on HPC using Fortran, OpenMP and MPI, 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
- Performed image analysis using MATLAB on my own experiments investigating jet break-up of viscoelastic fluids

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

REFERENCES

Available upon request

SKILLS

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

Communication
I published 3 peer-reviewed articles and I delivered 20+ presentations around the world to scientists from different fields.

Leadership
I direct and supervise Master's students with their research projects, and I delivered course lectures and workshops in maths
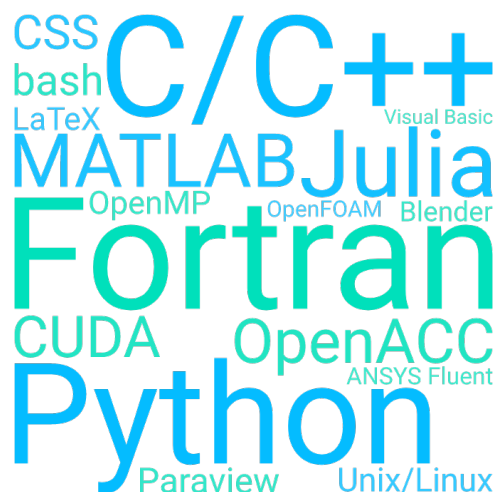
Outreach
I chaired and convened several scientific meetings, and I enthusiastically support public engagement initiatives, e.g. science fairs, PubhD, Pint of Science

LANGUAGES

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🇨🇳 ■■■■☐
🇫🇷 ■■■☐☐

TOOLS

CSS
bash
LaTeX
C/C++
Visual Basic
MATLAB Julia
OpenMP OpenFOAM Blender
Fortran
CUDA OpenACC
ANSYS Fluent
Python
Paraview Unix/Linux