

LAU TSZ LAM

Flat 1309, Yuet Chui Court, 9 Yan Tsui Street, Chai Wan, Hong Kong
lamlam3041@gmail.com

EDUCATION

The Chinese University of Hong Kong, Hong Kong
Bachelor of Science, Earth System Science, July 2022

Relevant Coursework: Seismology, Petrology, Structural Geology, Physics of the Earth, Quantitative Methods for Earth and Environmental Science, Introduction to Statistics

SKILLS

Technical: Familiar with LINUX, Python, Generic Mapping Tools, MATLAB, Microsoft Office

Languages: Fluent English, Chinese, Mandarin

RELEVANT EXPERIENCES

IRIS Seismology Skill Building Workshop

Incorporated Research Institutions for Seismology | 6/2020 – 8/2020

- Successfully completed up to 70 hours Seismology Skill Building Workshop for undergraduate
- Developed beginner level fluency in Python3, Obspy, Shell Scripting, SAC and GMT to analyze and plot seismic data
- Gained beginner level experience working Linux operating system

Geoscience Ambassadors

Earth System Science Programme, The Chinese University of Hong Kong | 5/2020 – Present

- Promoted Geoscience by social media to the general public
- Organised a Pilot scheme related to earth science for secondary school students
- Had extra field experiences in the training of the scheme

WORK EXPERIENCE

Undergraduate Teaching Assistant (Seismology)

Earth System Science Programme, The Chinese University of Hong Kong | 1/2022 – 5/2022

- Conducted tutorials on ObsPy (a python toolbox for seismology)
- Marked assignments and provided sufficient feedbacks to the students

One Year Placement Programme

The Hong Kong Observatory | 1/2021 – 12/2021

- Develop the coupled regional ocean-wave modelling system
- Evaluate the performance of the model
- Acquire knowledge of matlab and NCAR Command Language

Summer Research Intern

Earth System Science Programme, The Chinese University of Hong Kong | 6/2020 – 8/2020

- Undertook a seismology related project under the supervision of professor in summer
- Acquired knowledge of Machine Learning based Earthquake Detection
- Demonstrated earthquakes detection in Taiwan by PhaseNet, a trained deep learning model conducting seismic arrival-time picking

PUBLICATIONS

- Li, Lei, Wing Ching Jeremy Wong, Benjamin Schwarz, and Tsz Lam Lau. "Seismology Perspectives on Integrated, Coordinated, Open, Networked (ICON) Science." Earth and Space Science (Hoboken, N.J.) 9.3 (2022): N/a. Web.