



ONG IUNN JENN

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EDUCATION

2022-present	University of Arizona PhD in Planetary Science
2019-2021	University of Arizona BSc in Chemistry, Minor in Planetary Science
2016-2018	INTI International College Subang Jaya Major in Chemistry (American Degree Transfer Program)
2014-2015	University of Durham MSc in Palaeopathology Dissertation Title: Reassessing Viability of Identifying Anaemia Using Cribra Orbitalia
2011-2014	University of Durham BA in Archaeology and Ancient Civilisations Second Class (Division One) Honours Dissertation Title: Long Bones Asymmetry and Stress in Medieval Fishergate House, York

INTERNSHIPS/RESEARCH/WORK EXPERIENCE

2022 Jan – May	Research technician – <i>Lunar and Planetary Laboratory, University of Arizona</i>
2021 Sep - present	Analyse Luna 24 soils under Jessica Barnes – <i>Lunar and Planetary Laboratory, University of Arizona</i>
2021 June - present	Organise and photograph the meteorite collection at LPL – <i>Lunar and Planetary Laboratory (LPL), University of Arizona</i>
2020 Jan - 2021 Dec	Instructional Laboratory Support Group (ILSG) student assistant – <i>Department of Chemistry and Biochemistry (CBC), University of Arizona</i>
2019 June	Drone survey on Easter Island, Chile – <i>University of Arizona</i>
2018 June - Dec	Industrial training/Internship – <i>Pusat Penyelidikan Arkeologi Global (PPAG) [Centre for Global Archaeological Research (CGAR)], Universiti Sains Malaysia</i> <ul style="list-style-type: none">• Sia Boey Project in Penang: wet-sieving and cataloguing artefacts• Geophysical survey at Bukit Choras, Kedah, Malaysia• Obtained training in sample preparation for XRF and XRD Paper conservation work on Colonial British building architecture plans – <i>George Town World Heritage Incorporated (GTWHI)</i>
2015 Nov	Landscape survey of a cemetery and the surroundings at St. Mary's Norton, Cuckney, Nottinghamshire, UK – <i>Mercian Archaeological Services CIC</i>
2015 Sep	Excavation at Steinheim, Hungen, Germany – <i>bessenARCHÄOLOGIE; University of Winchester; Saxion University of Applied Sciences</i>
2013 July - Aug	Fieldwalking, excavation and sediment coring at Nebelivka, Kirovograd Domain, Ukraine – <i>Department of Archaeology, University of Durham; Ukrainian Academy of Sciences Institute of Archaeology, Kyiv</i>



2012 June Excavation at Vinovia, Binchester, Durham, UK – *Department of Archaeology, University of Durham*

TRAINING

2015 Nov Making the most of LIDAR – *PTS Consultancy and Air Photo Services*

SKILLS

Analytical instrumentation (starting from most recently used)

- Electron Probe Microanalyser (EPMA)
- Nuclear Magnetic Resonance (NMR) – 1D and 2D (^1H , ^{13}C , HSQC, HMBC, COSY, NOESY)
- Optical Microscope
- UV-Vis Spectrophotometer
- IR Spectrometer
- High Performance Liquid Chromatograph (HPLC)
- Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES)
- Gas Chromatograph – Mass Spectrometer (GC-MS)
- Fluorimeter
- X-Ray Fluorescence (XRF)
- X-Ray Diffraction (XRD)
- Scanning Electron Microscope (SEM)

Computing

- Python
- QGIS (basic)

Language

- English (Proficient)
- Mandarin Chinese (Conversational – mother tongue)
- Malay (Proficient – national language)
- Japanese (Intermediate)
- French (Beginner)

MEMBERSHIPS

- **American Chemical Society**, student member: 2021-present

RESEARCH INTERESTS

- Chemistry and formation of the Solar System
- Isotopic analysis
- Formation and chemistry of small bodies and their roles in planet formation
- Planetary processes and effects on volatiles
- Astronomical instrumentations
- Spectroscopic techniques in understanding the structure of molecules
- Discovery of molecular formation especially organics in the solar system and the interstellar medium