

Education

09/2023 – Present: University of Gothenburg, Sweden

- PhD in Natural Science (Specialising in Physical Geography)

09/2021 – 09/2022: University of Reading, United Kingdom

- MSc in Atmosphere Ocean and Climate (Classification: Distinction)

09/2017 – 06/2021: Hong Kong University of Science and Technology, Hong Kong

- BSc (Hons) Environmental Science (Honors: Second Class Honors, Division I)

Research Experience

09/2023 – Present: Doctoral Student, Department of Earth Science, University of Gothenburg, Sweden

Supervisor: Dr. Céline HEUZÉ, Dr. Luisa ICKES, Dr. Lu ZHOU

- Research topic: Monitoring Arctic Polynyas from Space (MAPS)

08/2022 – 08/2023: Research Assistant, School of Architecture, Chinese University of Hong Kong, Hong Kong

Supervisor: Prof. Yueyang HE

- Conducted research on ‘Designing breezeways to enhance wind environments in high-density cities’
- Performed data analysis on wind data in previous studies and compared the analytic output with wind tunnel experiment results
- Reviewed literature and assisted with the publication writing

Publications

Submitted

- Heuzé, C. & Wong, C.H.M. (2025) Automatic detection of Arctic polynyas using hybrid supervised and unsupervised deep learning, submitted to *The Cryosphere / EGUsphere*
- Wong, C.H.M., Heuzé, C., Ickes, L., & Zhou L. (2025) The spatio-temporal variability, trends, and drivers of winter Arctic polynyas, submitted to *Journal of Climate*

2025

- Wong, C.H.M., Kwok, Y.T., He, Y. & Ng, E. (2025). Government-involved urban meteorological networks (UMNs): A global review. *Urban Climate*.

2024

- He, Y., Wong, C.H.M., Deng, J., Liu, Z., & Ng, E. (2024). Designing breezeways to enhance wind environments in high-density cities: A comprehensive analysis of ten morphological parameters. *Sustainable Cities and Society*.

2023

- He, Y., Wang, Z., Wong, H.M., Chen, G., Ren, C., Luo, M., Li, Y., Lee, T., Chan, P.W., Ho, J.Y., & Ng, E. (2023). Spatial-temporal changes of compound temperature-humidity extremes in humid subtropical high-density cities: An observational study in Hong Kong from 1961 to 2020. *Urban Climate*.

Scholarships

2025:

- Travel grant from Donationsnämndens stipendier
- Travel grant from Adlerbertska stipendier

Teaching Experience

Department of Earth Sciences, University of Gothenburg, Sweden

Undergraduate Courses:

- **2025 – Present:** Course Leader and Teaching Assistant, GVN345 Climate Data Applications
- **2024 – Present:** Teaching Assistant, GVN370 Advanced Climate Data Analysis

Master Courses:

- **2025 – Present:** Teaching Assistant, GVN460 Climate Change in an Earth System Perspective
- **2025 – Present:** Teaching Assistant, GVN465 Climate Modelling

Fieldwork Experience

08/2024 – 10/2024: PS144 ARCWATCH2, RV Polarstern (Alfred Wegener Institute), Central Arctic Ocean

Poster / Presentation

2025

- Spatial and temporal distribution of Winter Arctic Polynyas (1978-2023) (*Poster*), Living Planet Symposium, 23 – 27 June, Vienna, Austria
- Spatial and temporal distribution of Winter Arctic Polynyas (1978-2023) (*Oral*), AMS Denver Submit 18th Conference on Polar Meteorology and Oceanography, 12 – 16 May 2025, Denver, CO, United States

2024

- Spatial and temporal distribution of all Arctic Polynyas since 1979 (*Poster*), 2nd Swedish Climate Symposium, 15 – 17 May 2024, Norrköping, Sweden
- Spatial and temporal distribution of all Arctic Polynyas since 1979 (*Poster*), EGU General Assembly 2024, 14 – 19 April 2024, <https://doi.org/10.5194/egusphere-egu24-9400>, Vienna, Austria

Leadership and Outreach

- **2026:** Convenor of session CL4.12/NP2 “*Memory in the Climate System: Theory and Applications*”, EGU General Assembly 2026
- **2025 – Present:** PhD student representative, Department of Earth Sciences, University of Gothenburg

Skills

Programming

- Advanced: Python, MATLAB, ArcGIS Pro, QGIS
- Intermediate: LaTeX, R

Graphic

- Adobe AI, Adobe PS, Inkscape

Language

- Native: Cantonese
- Fluent: English, Mandarin
- Basic: Japanese (N3)