Yung-Ying Chen

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Education

Carnegie Mellon University — Pittsburgh, Pennsylvania
M.S., Biomedical Engineering — 2022 - Present

National Chung Hsing University — Taichung, Taiwan
B.S., Mechanical Engineering — 2018 - 2021

Kaohsiung Medical School — Kaohsiung, Taiwan
B.S., Medical and Applied Chemistry — 2016 - 2018, Transfer

Honors and Awards

CMU Biomedical Engineering Department Head's Fellowship (2022)
Department Research Scholarship

Academia Sinica, Institute of Astronomy and Astrophysics Undergraduate Scholarship (2020)
Undergraduate Research Scholarship

Special Topics in Mechanical Engineering Design and Practice Honorable Award (2020)
Topic: Scale Out Core-Annular Liquid-Liquid Microextractor with Modular Design

Higher Education Mechatronics Creative Practice Competition Merit Award (2020)
Topic: Scale Out Core-Annular Liquid-Liquid Microextractor with Modular Design

Professional Experience

Carnegie Mellon University, Department of Computer Science

Carnegie Mellon University, Center for Neural Basis of Cognition — Jan 2023 - Present
Research Intern, *advised by Professor Tai-Sing Lee* — *Pittsburgh*

Academia Sinica, Institute of Physics — Mar 2022 - Jul 2022
Research Assistant, *advised by Professor Henry Tsz-King Wong and Yuki Inoue* — *Taiwan*

Academia Sinica, Institute of Astronomy and Astrophysics — Jul 2020 - Aug 2021
Research Assistant, *advised by Professor Hiroyuki Hirashita* — *Taiwan*

National Chung Hsing University — Feb 2020 - Feb 2021
Undergrade Research Assistant, *advised by Professor Ya-Yu Chiang* — *Taiwan*

Teaching

Professional Issue in Biomedical Engineering, Teaching Assistant — *Spring 2023*
BME 42201/42781 — Carnegie Mellon University

Publications

[2] **Chen, YY.**, Hirashita H., Wang WH. Nakai, N. *A simple numerical experiment on the dust temperature bias for Lyman break galaxies at* $z \gtrsim 5$. ***MNRAS*** 509(2), 2258-2268, January 2022.

[1] Lin, CY., ***Chen, YY.***, Chen, PY., et al. *Scale-out production in core-annual liquid-liquid mucroextractor*. ***J Flow Chem*** 11, 569-577, August 2021.

Skill

Language: Python, MATLAB, HTML, C++
Software: PyTorch, MRIcron, SPM12, ITK-SNAP, FSL, PsychoPy, SOLIDWORKS, EEGLAB