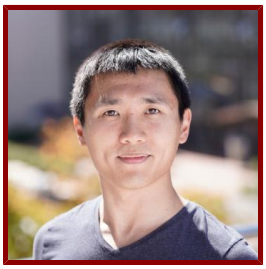
Stanford



Enze Chen

Lecturer

Materials Science and Engineering

Bio

BIO

Enze (he/him, '18) is a Lecturer in Materials Science and Engineering (MSE) who teaches a variety of undergraduate MSE courses spanning structure, characterization, energy, and computing. He obtained his PhD in MSE from UC Berkeley, where his research applied computational tools to study planar defects and materials informatics education. He is excited to return to The Farm and to help advance student success.

ACADEMIC APPOINTMENTS

- Lecturer, Materials Science and Engineering

PROFESSIONAL EDUCATION

- Ph.D., University of California, Berkeley , Materials Science and Engineering (2023)
- M.S., Stanford University , Computational and Mathematical Engineering (2018)
- B.S., Stanford University , Materials Science and Engineering (2018)

LINKS

- Personal website: https://enze-chen.github.io/
- Google Scholar: https://scholar.google.com/citations?hl=en&user=MMkofM4AAAAJ&view_op=list_works&sortby=pubdate
- GitHub: https://github.com/enze-chen

Teaching

COURSES

2023-24

- Materials Structure and Characterization: MATSCI 143 (Win)
- Solar Cells, Fuel Cells, and Batteries: Materials for the Energy Solution: MATSCI 156 (Spr)
- Solar Cells, Fuel Cells, and Batteries: Materials for the Energy Solution: MATSCI 256 (Spr)

Publications

PUBLICATIONS

- **ARTIFICIAL INTELLIGENCE IN MATERIALS EDUCATION: A ROUNDTABLE DISCUSSION** *JOM*
  Tyler, K., Chen, E., Meredig, B., Sparks, T.
  2023; 75 (7): 2083-2085

- **Using Jupyter Tools to Design an Interactive Textbook to Guide Undergraduate Research in Materials Informatics** *JOURNAL OF CHEMICAL EDUCATION*
  Chen, E., Asta, M.
  2022

- **Modeling antiphase boundary energies of Ni₃Al-based alloys using automated density functional theory and machine learning** *NPJ COMPUTATIONAL MATERIALS*
  Chen, E., Tamm, A., Wang, T., Epler, M. E., Asta, M., Frolov, T.
  2022; 8 (1)

- **Transferable Kinetic Monte Carlo Models with Thousands of Reactions Learned from Molecular Dynamics Simulations.** *The journal of physical chemistry. A*
  Chen, E., Yang, Q., Dufour-Decieux, V., Sing-Long, C. A., Freitas, R., Reed, E. J.
  2019