

Enze Chen

Email: enze.chen1@gmail.com
Cell: (314) 562-1965

1636 Martin Luther King Jr Way, Apt A
Berkeley, CA 94709

EDUCATION

University of California, Berkeley (2019–2023, anticipated)

Ph.D. | [Materials Science and Engineering](#), advised by Professor [Mark Asta](#).

Stanford University (2014–2018)

M.S. | [Computational and Mathematical Engineering](#) | GPA 3.970

B.S. | [Materials Science and Engineering](#) with Honors, with Distinction | GPA 3.965

SKILLS

- Machine learning (ML) and scientific computing expertise for physical science problems.
- Working knowledge of Python, MATLAB, and C++. Experience with Linux systems/tools.
- Pedagogical content knowledge in physical science domains with experience in instructional design.
- 2019 NSF Graduate Research Fellowship Program—Honorable Mention.

EXPERIENCES

Instructional Designer (ID) at [Citrine Informatics](#) (Redwood City, CA) 01/2019—07/2019

- Contributed towards *open-source* [Citrination learning tools](#) using Markdown and Jupyter notebooks.
- Designed 2 days of academic curricula and 7 interactive sessions for industrial customers.
- Created a framework to define the build-out of a future ID team and strengthen collaboration.

Research Assistant in [Materials Computation and Theory Group](#) (Stanford) 06/2016—12/2018

- Demonstrated transferability of KMC models for predicting reactions in different chemical systems.
- Gave *oral presentation* at 2017 MRS Fall Meeting ([TC04.08.08](#)).
- Published *first-author* in [Chen, Enze et al. *The Journal of Physical Chemistry A*, **123**, 9 \(2019\)](#)
- Co-authored a chapter in [Computational Approaches for Chemistry Under Extreme Conditions](#).

R&D Intern at [Sandia National Laboratories](#) (Albuquerque, NM) 06/2018—09/2018

- Multiscale modeling and data management of KMC simulations for additive manufacturing.
- Profiled the [Stitch I/O](#) system integrated with [SPPARKS](#). Paper in submission to *IPDPS* 2020.

Teaching Assistant for CME 100 and CME 104 math classes (Stanford) 04/2018—12/2018

- Taught lectures on multivariable calculus, linear algebra, and partial differential equations.
- Held weekly office hours and designed review session material (see [GitHub](#)).
- Rated 4.9/5 for “Effectiveness” and 4.7/5 for “Amount learned from him.”

Hobbies: Social (ballroom) dancing, musical theater, stovetop cooking, aquatic sports

GitHub: <https://github.com/enze-chen>

Google Scholar: <https://goo.gl/rWSSmw>