

Enze Chen ([website](#))

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1636 Martin Luther King Jr Way, Apt A
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EDUCATION

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

Ph.D. | [Materials Science and Engineering](#), advised by Professor [Mark Asta](#) | GPA: 4.000

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 AND AWARDS

- 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.
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EXPERIENCE

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 pedagogical framework to develop 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 an oral presentation at 2017 MRS Fall Meeting ([TC04.08.08](#)).
- *First-author* publication: [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 [SPARKS](#). Publication to appear in [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 4.5/5 for “Effectiveness” and 4.2/5 for “Amount learned from him.”
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Hobbies: Social (ballroom) dancing, stovetop cooking, aquatic sports, musical theater

[GitHub](#): <https://github.com/enze-chen>

[Google Scholar](#): <https://goo.gl/rWSSmw>