

# Yuting Chen

## EDUCATION

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**Ph.D., Chemistry and Scientific Computing** 2024

*University of Michigan, Ann Arbor*

- Thesis Title: Finite Size Effects, Machine Learning DFT Functionals, and Intermolecular Interaction Energies from Self-Consistent GW

**B.S., Chemistry and Computer Science** 2018

*University of California, Berkeley*

## PROFESSIONAL APPOINTMENTS

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**Visiting Assistant Professor** 2024 – Present

*Department of Chemistry, Hamilton College*

## TEACHING HONORS & AWARDS

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**The Margaret Bundy Scott Teaching Excellence Fellowship Award** — *Hamilton College* 2026

**Dean's Pedagogical Development Award** — *Hamilton College* 2026

## TEACHING EXPERIENCE

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**Visiting Assistant Professor** — *Department of Chemistry, Hamilton College, Clinton, NY* 2024 – Present

Courses taught: Intro/General Chemistry; Intro/General Chemistry Lab, Physical Chemistry I and II

Curriculum Development:

- Piloted an embedded peer tutoring program with the Quantitative and Symbolic Reasoning Center and Opportunity Program to support underrepresented students in STEM
- Developed flipped classroom materials, including video lectures and collaborative activities, for Intro/General Chemistry and Physical Chemistry
- Incorporated educational technologies in Intro/General Chemistry and Physical Chemistry lecture
- Revised lab protocols for Intro/General Chemistry Lab to improve clarity and learning outcomes
- Devised three demonstrations to increase student engagement and reinforce key chemical concepts

Service:

- Advised faculty on preventing and detecting student usage of generative AI on assignments and examinations
- Mentored undergraduate students conducting summer research, cumulating in poster presentations
- Engaged in community outreach events focused on STEM education in K-12 students

**Future Faculty Graduate Student Instructor** — *University of Michigan* Aug. 2021 – Dec. 2021

Courses taught: General Chemistry; General Chemistry Lab

Curriculum Development:

- Co-developed flipped-classroom curriculum for General Chemistry with Dr. Amy Gottfried
- Designed and implemented instructional materials for the Comprehensive Studies Program, which supports students from underrepresented backgrounds

**Graduate Student Instructor** — *University of Michigan* Aug. 2018 – Dec. 2020

Courses taught: General Chemistry; General Chemistry Lab; Physical Chemistry (non calculus-based); Physical Chemistry (calculus-based); Organic Chemistry Lab

- Led weekly discussion sections and office hours
- Facilitated in-class discussions and reviews as part of flipped-classroom instruction
- Led weekly lab sections and proposed curriculum improvements

## EDUCATION-RELATED COURSEWORK

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Chem 550 - Chemistry Education Research and Practice Aug. 2022 – Dec. 2022

- Explored evidence-based teaching methods under the guidance of Dr. Ginger Shultz, a chemical education researcher who studies how chemistry is learned and taught at the college level