

# CHARIS KIM

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## EDUCATION

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**University of Texas at Austin** – Austin, Texas

**Degree: Bachelor of Science in Chemical Engineering**

**May 2026**

- Concentration: Materials Engineering

- **GPA: 3.86/4.0, University Honors**

**Johns Hopkins University** – Baltimore, Maryland

**August 2021**

- Introduction to Computing Python

## EXPERIENCE

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**Dr. Filippo Mangolini**, Austin, Texas

**January 2024 – Present**

*Undergraduate Research Assistant*

- Prepared and tested samples of various stored ionic liquids in Nuclear Magnetic Resonance (NMR) spectrometer
- Analyzed and characterized structures of ionic liquids from NMR data collected
- Determined the cause of the solidification of stored ionic liquids

**Dr. Adrienne Rosales**, Austin, Texas

**August 2024 – Present**

*CHE 210 (Introduction to Computing) Tutor*

- Hosted office hours to help students understand course content and answer homework questions
- Assisted students with graphing and solver functions in excel
- Helped students understand process flow diagrams, guesstimation, and the material balance

## HONORS, CERTIFICATES, SKILLS

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- University Honors, GPA of at least 3.5 and above per semester (August 2022 – May 2024)
- Recipient of Bill & Marie Ashby Endowed Presidential Scholarship (2024-2025)
- Learning Assistant, General Chemistry (August 2023-December 2023); participating and teaching chemistry to undergraduate students; providing guidance to first-year students adjust to college life and courses; aiding Dr. Biberdorf with chemical experiment presentations
- Proficient in Python, Java, Java Script, Scheme, Fusion 360, GitHub, Anaconda, IntelliJ, Cisco Packet Tracer, Windows, Linux, Swift Publisher, Spyder, Eclipse, MATLAB, and Android Studio
- Proficient in Swift Publisher and Microsoft including Word, Excel, PowerPoint, and Outlook

## ACTIVITIES

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**American Institute of Chemical Engineers** – Austin, Texas

**August 2022 – Present**

**Kaggle** – Austin, Texas

**June 2020 – Present**

- Competitor for online machine learning and data science club

**Koinonia** – Austin, Texas

**January 2023 – Present**

- Worship coordinator

**Texas Cru** – Austin, Texas

**August 2022 – December 2023**

## LEADERSHIP

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- University of Texas at Austin General Chemistry Learning Assistant (2023)
- Koinonia Worship Coordinator (2023)

## INTERESTS

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Cellist, Soccer, Animal Rescue, Hiking

## COMPETITIONS AND PROJECTS

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Kaggle – Titanic

Kaggle – Petals to the Metal

Kaggle – MNIST