

Grace C. Kim

4th-year BS/MS Student at Georgia Tech ([HCI](#) + [ML](#))

My research focuses on improving the interpretability and trustworthiness of ML models. I develop [interactive visualization tools](#) for visually analyzing model decision-making, and [interpretability methods](#) for understanding and controlling model behavior.

✉ gracekim3@gatech.edu
🏠 gracekimcy.github.io

🎓 [Google Scholar](#)
📄 [CV PDF](#)

Education

Aug. 2025 — May 2026

M.S. in Computer Science

Georgia Institute of Technology, Atlanta, GA
Advisor: Duen Horng (Polo) Chau , Co-advisor: Mark Riedl
Concentration in Machine Learning
🏆 [Stamps President's Scholarship \(full-ride merit scholarship\)](#)

Aug. 2022 — May 2025

B.S. in Computer Science

Georgia Institute of Technology, Atlanta, GA
Thesis: *Transformer Explainer: Interactive Visual Learning of LLM Transformers*
Advisor: Duen Horng (Polo) Chau , Co-advisor: Betsy DiSalvo (Mentor: Annabel Rothschild)
Concentrations in Artificial Intelligence and Theory, Overall GPA: 3.9/4.0, Highest Honors
🏆 [Stamps President's Scholarship \(full-ride merit scholarship\)](#)

Summer 2023

Berlin Summer Program

Technische Universität Berlin, Germany
Study abroad program by Georgia Tech College of Computing

Research Experience

Jan. 2024 — Present

Georgia Institute of Technology, Atlanta, GA
Research Assistant (now Graduate Assistant), Polo Club of Data Science
Advisor: Duen Horng (Polo) Chau
Study the intersection of machine learning, human-computer interaction, and data visualization. Published at EMNLP 2025, AAAI 2025, and IEEE VIS 2024.

May 2025 — Present

Georgia Institute of Technology, Atlanta, GA
Research Assistant, Entertainment Intelligence and Human-Centered AI Labs
Advisor: Mark Riedl
Study explainable AI and mechanistic interpretability.

May 2024 — Aug. 2024

CISPA Helmholtz Center for Information Security, Saarbrücken, Germany
DAAD RISE Research Intern, SprintML Lab
Advisor: Adam Dziedzic, Franziska Boenisch
Studied memorization in CLIP models. Published at ICLR 2025.

Aug. 2023 — Oct. 2024

Georgia Institute of Technology, Atlanta, GA
Research Assistant, Culture and Technology Lab
Advisor: Betsy DiSalvo , Mentor: Annabel Rothschild
Studied critical data studies and responsible AI. Published at AIES 2024.

Honors and Awards

- 2022

Stamps President's Scholarship, Georgia Tech
4-year full-ride merit scholarship with \$15,000 in extracurricular funding awarded to the top 1% of applicants (40 students) to Georgia Tech
- 2024

Best Poster, IEEE VIS
For "Transformer Explainer: Interactive Learning of Text-Generative Models"
- 2025

Best Submission, Workshop on Visualization for AI Explainability at IEEE VIS
For Transformer Explainer
- 2024

DAAD RISE Scholarship, German Federal Foreign Office
Selected as one of 320 scholarship recipients from 2,358 applicants to conduct a summer research internship in Germany

- 2025

President's Undergraduate Research Awards Travel Award, Georgia Tech
For "Transformer Explainer: Interactive Learning of Text-Generative Models"
- 2024

President's Undergraduate Research Awards Travel Award, Georgia Tech
For "What's Your Stake in Sustainability of AI?: An Informed Insider's Guide"

Publications

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Transformer Explainer: Interactive Learning of Text-Generative Models
Aeree Cho*, Grace C. Kim*, Alexander Karpekov*, Alec Helbling, Zijie J. Wang, Seongmin Lee, Benjamin Hoover, Duen Horng (Polo) Chau
IEEE Visualization Conference (VIS Poster). 2024., AAAI Conference on Artificial Intelligence (AAAI Demo). 2025.
[▶ Demo](#) [📄 PDF](#) [🎥 Recording](#) [🔗 Code](#) [📖 BibTeX](#) 🏆 **Best Poster** *Authors contributed equally

410,000+ users across 180+ countries, 6,000+ GitHub stars
#1 paper of the day on Hugging Face
Taught at top universities (e.g., MIT, Columbia, University of Toronto) and in Georgia Tech CSE 6242 Data and Visual Analytics (250-300 students per semester)
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Interpretation Meets Safety: A Survey on Interpretation Methods and Tools for Improving LLM Safety
Seongmin Lee, Aeree Cho, Grace C. Kim, ShengYun Peng, Mansi Phute, Duen Horng (Polo) Chau
Conference on Empirical Methods in Natural Language Processing (EMNLP Main). 2025.
[📄 PDF](#) [📖 BibTeX](#)
- 2

Captured by Captions: On Memorization and its Mitigation in CLIP Models
Wenhao Wang, Adam Dziedziec, Grace C. Kim, Michael Backes, Franziska Boenisch
International Conference on Learning Representations (ICLR). 2025.
[📄 PDF](#) [📖 BibTeX](#)
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What's Your Stake in Sustainability of AI?: An Informed Insider's Guide
Grace C. Kim, Annabel Rothschild, Carl DiSalvo, Betsy DiSalvo
AAAI/ACM Conference on AI, Ethics, and Society (AIES). 2024.
[📄 PDF](#) [📖 BibTeX](#)

Grants and Funding

- 2025

Google Gift (\$75,000)
Co-PIs: Duen Horng (Polo) Chau
Co-first authored a proposal with one graduate student resulting in a \$75,000 unrestricted gift from Google

Conference Travels & Presentations

- 2025

IEEE Visualization Conference (VIS) 2025
- 2025

AAAI Conference on Artificial Intelligence (AAAI) 2025
For "Transformer Explainer: Interactive Learning of Text-Generative Models"
- 2024

AAAI/ACM Conference on AI, Ethics, and Society (AIES) 2024
For "What's Your Stake in Sustainability of AI?: An Informed Insider's Guide"
- 2024

IEEE Visualization Conference (VIS) 2024
For "Transformer Explainer: Interactive Learning of Text-Generative Models"

Teaching

- Spring 2023

Teaching Assistant
Georgia Institute of Technology, Atlanta, GA
Object-Oriented Programming (CS 1331), Instructor: Richard Landry
Led weekly recitation classes for 50 students, held weekly office hours, and created and graded course materials for a course with 800 students enrolled.

Service

- May 2025 — Present

Founding Member
Georgia Institute of Technology, Atlanta, GA
Digital Equity & Empowerment Project
Design and lead workshops on AI safety and responsible use for Atlanta-based youths

Web Developer & Administrator

Georgia Institute of Technology, Atlanta, GA

Stamps Scholars National Convention

Managed website development and administration for a convention with 700 attendees from 40 schools

References

Dr. Polo Chau, Professor

School of Computational Science and Engineering

Georgia Institute of Technology

cc.gatech.edu/~dchau/

Dr. Mark Riedl, Professor

School of Interactive Computing

Georgia Institute of Technology

eilab.gatech.edu/mark-riedl.html

Dr. Annabel Rothschild, Assistant Professor

Computer Science

Bard College

annabelrothschild.com/