

Sunggyeol (Sung) Oh

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Field of Interest

Visualization, Visual Analytics, Human-AI Interaction, and Human-Computer Interaction

Education

Emory University

Ph.D. in Computer Science and Informatics

Atlanta, GA

May 2031 (expected)

Virginia Tech

B.S. in Computer Science

Blacksburg, VA

Dec 2025

Minor in Human-Computer Interaction

GPA: 3.9/4.0 (Summa Cum Laude)

Transferred from University of Michigan-Shanghai Jiao Tong University Joint Institute (2020 - 2021)

Publications

- [P1] **Sunggyeol Oh**, Andrew Katz, Scott McCrickard. **Visualizing 30 Years of CHI Research with Generative AI**. *Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA)*, Apr. 2026. [📄 DOI](#)
- [P2] **Sunggyeol Oh**, Jiacheng Zhao, Carson Russo, Michael Bolmer Jr., Jihoo Jeong, Jixiang Fan, Yusheng Cao, Wei Lu Wang, Natalie Andrus, Scott McCrickard. **Optimizing Diary Studies Learning Outcomes With Fine-Tuned Large Language Models on the DiaryQuest Platform**. *Proceedings of the 2025 IEEE Frontiers in Education Conference (FIE)*, Nov. 2025. [📄 DOI](#)
- [P3] Jixiang Fan, Jiacheng Zhao, **Sunggyeol Oh**, Michael Bolmer Jr., Yoonje Lee, Nick Flammer, Yuhao Chen, D. Scott McCrickard. **Structuring Collaborative Reflection: Integrating Diary Study and Focus Group Discussion**. *Companion Publication of the 2025 Conference on Computer-Supported Cooperative Work and Social Computing (CSCW Companion)*, Oct. 2025. [📄 DOI](#)
- [P4] **Sunggyeol Oh**, Jiacheng Zhao, Carson Russo, Michael Bolmer Jr. **Boosting Diary Study Outcomes with a Fine-Tuned Large Language Model**. *Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA)*, Apr. 2025. [📄 DOI](#)
- [P5] **Sunggyeol Oh**, Yi Cao, Andrew Katz, Jialu Zhao. **Explore Public's Perspectives on Generative AI in Computer Science (CS) Education: A Social Media Data Analysis**. *Proceedings of the 2024 IEEE Frontiers in Education Conference (FIE)*, Oct. 2024. [📄 DOI](#)

Talks & Presentations

- [T1] **Sunggyeol Oh**. "Enhancing Diary Studies with Multimodal AI and Data Visualization". Ninth Annual CHCI Workshop on the Future of HCI, Center for Human-Computer Interaction, Virginia Tech, Blacksburg, VA. Mar. 2025.

Research Experience

Virginia Tech, Notification Systems Lab

Undergraduate Research Assistant

Advisor: Dr. Scott McCrickard

Blacksburg, VA

Aug 2024 - Dec 2025

Virginia Tech, IDEEAS Lab

Undergraduate Research Assistant

Advisor: Dr. Andrew Katz

Blacksburg, VA

Dec 2023 - Dec 2025

Teaching Experience

Virginia Tech

Undergraduate Teaching Assistant

- CS 3724 Human-Computer Interaction

Spring 2025, Fall 2025

Professional Experience

Kearney, Digital Transformation Group

Research Analyst (AI & Analytics)

Seoul, South Korea

Jan 2026 - Jun 2026

Developed interactive visual analytics dashboards, an AI labeling pipeline, and a multi-agent data scraper for a global tech leader, supporting large-scale social media content analysis and performance modeling

Abear

Intern

Seoul, South Korea

May 2025 - Aug 2025

Built full-stack PoC applications and agentic pipelines for AI-powered product image generation on B2B e-commerce platforms

Fasoo, Cloud Development Team

Software Engineer Intern

Seoul, South Korea

Jun 2024 - Aug 2024

Deployed a speech-to-speech MLOps pipeline on AWS, integrating speech-to-text and LLM services, optimizing Voice Activity Detection to improve transcription speed

Republic of Korea Army

Sergeant

South Korea

Sep 2021 - Mar 2023

Awards & Honors

Dean's List, Virginia Tech

Awarded all semesters

Travel Grant (\$700), Virginia Tech Office of Undergraduate Research

Travel support for ACM CHI 2025, Yokohama, Japan.

Blacksburg, VA

Mar 2025

Travel Grant (\$400), Virginia Tech Office of Undergraduate Research

Travel support for IEEE FIE 2025, Washington, D.C.

Blacksburg, VA

Jul 2025

Leadership

LIKELION at Virginia Tech

Founder and President

Blacksburg, VA

Dec 2024 - Aug 2025

Professional Service & Memberships

Student Volunteer

- CSCW 2025

Reviewer

- IEEE Transactions on Computational Social Systems
- CHI 2026

Professional Memberships

- ACM SIGCHI
- IEEE Computer Society, Technical Community on Visualization and Graphics (VGTC)
- IEEE Education Society

Skills

Programming: Python, TypeScript

Visualization & Frontend: D3.js, Vega-Lite, Recharts, React, Tableau

Data & Infrastructure: Pandas, FastAPI, Redis, Celery, PostgreSQL, SQLite, Docker, GitHub Actions, BigQuery

Research Methods: user studies, diary studies, qualitative coding, statistical modeling