# Eren Suner

eren.suner@mail.utoronto.ca | linkedin.com/in/erensuner | github.com/erensunerr

## Education

**University of Toronto** Toronto, ON

*Computer Science & Mathematics (HBSc) — Dean's List Scholar — cGPA: 3.53* *Sep. 2022 – April 2026*

## Experience

**LLM Researcher** 05/2025 - Current

*Palona AI* | Research on Sales & Service Skills of LLMs

- Building a comprehensive benchmark that covers over 30 sales and service skills in order to improve Palona's services in the restaurant industry.

**Research Assistant** 05/2024 - 05/2025

*Marsha Chechik's Lab, University of Toronto* | **Software Engineering for Trustworthy AI**, Research

- Implemented a tool, SLEEC-FIASCO, that automatically and systematically identifies scenarios violating social, legal, ethical, empathetic and cultural (SLEEC) requirements for AI-based systems and suggests mitigation strategies.
- Combined formal methods techniques and LLMs to guarantee the generation of scenarios violating each constraints in a SLEEC requirement.
- Designed a React/FastAPI web-interface that enables interdisciplinary users to interact with SLEEC-FIASCO to refine the scenarios generated and validate the mitigation strategies suggested.
- Collaborated with social scientists, including philosophers and psychologists to develop SLEEC-FIASCO.

**Lead Developer** 01/2024 - 12/2024

*UML Mentor, University of Toronto* | Innovative software development for education, Leadership

- Built a software architecture teaching tool using TypeScript, React, Express and Langchain with interactive exercises and real-time feedback, used by 1,000+ students; including a custom diagram editor with library of patterns for targeted architecture practice.
- Led the developer team, with a size of four, followed Agile practices to improve productivity and established test-driven development for key components.
- Presented the tool at ARIA, a research conference with over 1,500 attendees.

## Publications

**Dodging a SLEEC-FIASCO: Normative Assurance under Uncertainty** 2025

*preprint - Submitted to ISSRE*

**UML Mentor: A Tool for Interactive and Collaborative Software Design Education** 2024

*Proceedings of the 2024 ACM Virtual Global Computing Education Conference V. 2 – 10.1145/3649409.3691078*

## Projects

**Research Opportunity Program** | *Imitation Learning* May 2025 - Current

- Finetuning OpenVLA on surgical robotics environments using imitation learning.
- Troubleshooting training and data collection problems, increased accuracy from 84% to 99.6%.

**Paper Pilot** | *React, Node.js, HTML, CSS, Google Cloud, OpenAI, NLP, Git* May 2023 – January 2024

- Designed and developed a web app using HTML, CSS, React (Next), Node.js and Google Cloud.

## Technical Skills

**Languages**: Python, C, C++ Java, SQL, JavaScript, TypeScript, HTML/CSS
**Frameworks**: React, Node.js, Flask, WordPress, Tensorflow, PyTorch, Tailwind, Nextjs, Langchain, ROS2
**Developer Tools**: Git, Google Cloud Platform, AWS, PyCharm, IntelliJ, Colcon
**Libraries**: pandas, NumPy, Matplotlib, Bootstrap
**Others**: UI/UX, Software Architecture, Algorithms & Data Structures, Excel, Figma, Agile Development, Project Management, Mujoco

## Extracurricular Activities

**RSM** Toronto, ON
*Case Competition* *November 2023*

**Turkish Student Society** Toronto, ON
*IT Director* *September 2024 – Current*