

# Shanhong Liu

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## Education

### Singapore University of Technology and Design (SUTD) PH.D. INFORMATION SYSTEMS TECHNOLOGY AND DESIGN

Singapore  
Sept 2023 - Now

- **Research Interests:** Multimodal Reasoning
- **Supervisor:** Prof. Malika Meghjani, Prof. De Wen Soh

### University of Guelph MASTER OF ENGINEERING SYSTEMS AND COMPUTING,

Guelph, ON  
Sept 2019 - Dec 2020

- **Master Project:** Cloud-Based Impaired Driving Detection with In-Vehicle Camera
- **Supervisor:** Prof. Radu Muresan

## Experiences

### Teaching Assistant

Singapore, SUTD

#### 50.007 MACHINE LEARNING

May. 2024 - September. 2024

- Helped to create the homework and midterm exam paper.
- Produced a linear algebra tutorial session for all the cohorts.
- Marked 158 students' homework.

### Teaching Assistant

Singapore, SUTD

#### 50.005 MACHINE LEARNING OPERATIONS

Jan. 2024 - April. 2024

- Practiced and checked all the course materials including setting up AWS account for each student and handling the GPUs with school.
- Helped to create the hands-on notes and tutorials for Generative AI on AWS.
- Handled and presented two lab sessions alone for a class of 28 students.
- Marked all the programming assignments and final course project.

### Database Analyst and Website Designer

Guelph, Canada

#### WOODLAWN FURNITURE INC

May. 2021 - May. 2023

- Conducted data analysis on sales trends and customer behavior to identify areas for business growth and optimization.
- Designed and maintained the company's e-commerce website using platforms including Odoo and Squarespace, resulting in increased online sales and improved user experience.
- Collaborated with the marketing team to create digital marketing campaigns and graphic designs using Adobe Illustrator, contributing to the company's brand identity and awareness.

## Research Publication

1. **Liu, O. S.**, Ng, P. C., Soh, D. W., & Plataniotis, K. N. (2026). *Yes FLoReNce, I Will Do Better Next Time! Agentic Feedback Reasoning for Humorous Meme Detection*. arXiv preprint arXiv:2601.07232.
2. **Liu, S.**, Muresan, R., & Al-Dweik, A. (2020). *Leveraging Deep Learning for Inattentive Driving Behavior with In-Vehicle Cameras*. In *Proceedings of the International Symposium on Networks, Computers and Communications (ISNCC)* (pp. 1–6), Montreal, QC, Canada.