

Xiaohao Sun

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 Xiaohao Sun |  Sun-XH |  Google Scholar

Burnay, BC, Canada

EDUCATION

- **Simon Fraser University** Sep 2021 - present
Ph.D. student in Computing Science Burnaby, Canada
 - Current GPA: 3.56/4.00
 - Advisor: Dr. Angel Xuan Chang
 - Research Interests: 3D scene generation, generative modelling
- **University of Windsor** Jan 2019 - Jul 2021
Master of Science: Electronic Engineering Windsor, Canada
 - GPA: 88/100
 - Advisor: Balakumar Balasingam
- **University of Electronic Science and Technology of China** Sep 2013 - Jul 2017
Bachelor of Science: Mathematical and Physics Basic Science SiChuan, China
 - GPA: 81.65/100; 3.55/4.0 (Top 15% in School of Mathematical Sciences)

PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

- [C.1] **SemLayoutDiff: Semantic Layout Generation with Diffusion Model for Indoor Scene Synthesis.**
Xiaohao Sun, Divyam Goel, Angel X. Chang.
2026 International Conference on 3D Vision (3DV 2026)
- [C.2] **Opdmulti: Openable part detection for multiple objects.**
Xiaohao Sun*, Hanxiao Jiang*, Manolis Savva, Angel X. Chang.
2024 International Conference on 3D Vision (3DV 2024)
- [C.3] **Articulated 3d human-object interactions from rgb videos: An empirical analysis of approaches and challenges.**
Sanjay Hareesh, Xiaohao Sun, Hanxiao Jiang, Angel X. Chang, Manolis Savva.
2022 International Conference on 3D Vision (3DV 2022)
- [C.4] **Algorithms for Reading Line Classification.**
Xiaohao Sun, Balakumar Balasingam.
2021 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2021)
- [J.1] **Reading line classification using eye-trackers.**
Xiaohao Sun, Balakumar Balasingam.
IEEE Transactions on Instrumentation and Measurement, 2021, Vol. 70, pp. 1-10. DOI: 10.1109/TIM.2021.3094817
- [S.1] **Survey on Compositional 3D Indoor Scene Generation.**
Hou In Ivan Tam, Hou In Derek Pun, Austin T. Wang, Xiaohao Sun, Qirui Wu, Han-Hung Lee, Angel X. Chang, Manolis Savva.
(In submission, 2025)

TEACHING

- **Teaching Assistant** Simon Fraser University
Computational Linguistics (CMPT 413); Natural Language Processing (CMPT 713) Spring 2024, Spring 2025, Spring 2026
- **Graduate Assistant** University of Windsor
Signals and Systems (ELEC 2240) Spring 2020

HONORS AND AWARDS

- **PhD Research Scholarship** 2024, 2025
Simon Fraser University
- **Graduate Fellowship** 2021, 2023, 2024, 2025
Simon Fraser University
- **The people's scholarship in China** 2014
University of Electronic Science and Technology of China

SERVICES

- **Reviewer:** ECCV; CVPR; ICCV; 3DV
- **Volunteer:** SIGGRAPH 2022