

# Haoran MO

## PERSONAL INFO

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ADDRESS: Guangzhou, China  
EMAIL: [mohaor@mail2.sysu.edu.cn](mailto:mohaor@mail2.sysu.edu.cn)  
HOMEPAGE: [www.mo-haoran.com](http://www.mo-haoran.com)  
GITHUB: <https://github.com/MarkMoHR>

## RESEARCH INTERESTS

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I work on deep learning based Computer Vision and Computer Graphics, particularly in sketch understanding, sketch (line art) generation and sketch-based applications.

## EDUCATION

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SEP 2020 - JUNE 2024 (Expected)	Ph.D. at <b>Sun Yat-sen University</b> , Guangzhou Major: Software Engineering
SEP 2018 - JUNE 2020	Master of Science in ENGINEERING, <b>Sun Yat-sen University</b> , Guangzhou Major: Software Engineering Thesis: "Automatic Colorization of Scene Sketches Based on Deep Learning"
SEP 2014 - JUNE 2018	Bachelor Degree in ENGINEERING, <b>Sun Yat-sen University</b> , Guangzhou Major: Software Engineering Thesis: "Sketch Recognition and Semantic Segmentation Based on Neural Network"

## PUBLICATIONS

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1. **Haoran Mo**, Edgar Simo-Serra, Chengying Gao\*, Changqing Zou, and Ruomei Wang. "GENERAL VIRTUAL SKETCHING FRAMEWORK FOR VECTOR LINE ART", *ACM Transactions on Graphics* (Proceedings of ACM SIGGRAPH), 2021.
2. Changqing Zou<sup>†</sup>, **Haoran Mo**<sup>†</sup> (equal contribution), Chengying Gao\*, Ruofei Du and Hongbo Fu. "LANGUAGE-BASED COLORIZATION OF SCENE SKETCHES", *ACM Transactions on Graphics* (Proceedings of ACM SIGGRAPH Asia), 2019.
3. Changqing Zou<sup>†</sup>, Qian Yu<sup>†</sup>, Ruofei Du, **Haoran Mo**, Yi-Zhe Song, Tao Xiang, Chengying Gao, Baoquan Chen\* and Hao Zhang. "SKETCHYSCENE: RICHLY-ANNOTATED SCENE SKETCHES", *European Conference on Computer Vision* (ECCV), 2018.

## OTHER EXPERIENCE

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MAY-JULY 2019	Research Intern, <b>Waseda University</b> , Tokyo Adviser: Prof. Edgar SIMO-SERRA Research on sketch generation and simplification.
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## SKILLS

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Programming Language: PYTHON, MATLAB  
Deep Learning Tools: TENSORFLOW, PYTORCH

## LANGUAGES

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Mandarin (Basic), Cantonese (Native), English (Fluent)

## SCHOLARSHIPS

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2019    Second Prize Master Scholarship (Top 10%), Sun Yat-sen University