

SONGLIN WEI

GRADUATE STUDENT · CONTROL SCIENCE AND ENGINEERING

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Education

Suzhou University

Suzhou, China

MSC IN CONTROL SCIENCE AND ENGINEERING

Sep. 2020 - present

- Advisor: Dr. Guodong Chen and Prof. Wenzheng Chi
- Major Orientation: Visual Semantic SLAM, Self-Supervised Depth Estimation
- Overall GPA: 3.6/4.0 (10%)

Xiamen University

Xiamen, China

BSC IN SOFTWARE ENGINEERING

Sep. 2003 - Jul. 2007

- Major courses: C++, Database, Introduction to Computer Algorithms, Data structure, Operating System, Software Engineering

Publications

- [1] **S. Wei**, G. Chen, W. Chi, Z. Wang and L. Sun, "Object Clustering with Dirichlet Process Mixture Model for Data Association in Monocular SLAM," in IEEE Transactions on Industrial Electronics (2022), doi: 10.1109/TIE.2022.3146553.
- [2] **S. Wei**, G. Chen, W. Chi, Z. Wang and L. Sun, "3D Object Aided Self-Supervised Monocular Depth Estimation," 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2022, pp. 10635-10642, doi: 10.1109/IROS47612.2022.9981590.

Awards & Fellowships

- 2022 - Special class scholarship of graduate academic Award, Suzhou University
- 2022 - Outstanding graduate Award, Suzhou University
- 2021 - Third class scholarship of graduate academic award, Suzhou University
- 2020 - Second class scholarship of graduate academic award, Suzhou University

Work & Research Experience

Peking University - Lab of EPIC

Beijing, China

ADVISOR: PROF. HE WANG

Sep. 2022 - Present

- Research Project: Embodied AI and Large Scene Neural Radiance Field

Soochow University - Lab of MRIPS

Suzhou, China

ADVISOR: PROF. WENZHENG CHI

Aug. 2021 - Present

- Research Project: "Monocular Depth Estimation"

Soochow University - Robotics and Micro System

Suzhou, China

ADVISORS: DR. GUODONG CHEN, PROF. WENZHENG CHI

Sep. 2020 - Aug. 2021

- Research Project: "Visual Semantic Simultaneously Localization And Mapping"

TouchAir Co. Ltd. - Dept of Robotics

Suzhou, China

SUPERVISORS: DR. WEICHEN XIANG

Jan. 2018 - Feb.2020

- Project: "Intelligent Inspecting Robot For Electricity substations"

TouchAir Co. Ltd. - Dept of Indoor Positioning

Beijing/Suzhou, China

SUPERVISORS: DR. XINYU DOU

Jun. 2016 - Jan. 2018

- Projects: "An indoor positioning system with Ultrasound"

Dangwu Co. Ltd. - Entrepreneur

I STARTED MY OWN COMPANY.

- Projects: "A Cloud accounting service for small businesses"

Suzhou, China

Mar. 2014 - Jan. 2016

Work in multiple software companies

AS A PROGRAMMER AND SYSTEM ARCHITECT.

Suzhou, China

Sep. 2007 - Feb. 2014

Language & Skills

English: Fluent (IELTS: 7.5).

Programming: Versatile (Python/C++/C/Java/PHP/Objective-C).