

WEICHEN FAN

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EDUCATION

University of Electronic Science and Technology of China, China <i>Bachelor of Integrated Circuit Design and Integrated System GPA:3.65/4.0 (Top 20%)</i>	<i>Sep 2017 - June 2021</i>
University of Electronic Science and Technology of China, China <i>Minor in Robotics Engineering GPA:3.82/4.0 (Top 10%)</i>	<i>Dec 2017 - June 2021</i>
National University of Singapore, Singapore <i>Master of Electrical and Computer Engineering GPA:3.75/5.0 (Top 10%)</i>	<i>Aug 2021 - Aug 2022</i>

WORK EXPERIENCE

Sensetime <i>Computer Vision Researcher</i> - Participating in research of SLAM especially in VO and 3D reconstruction.	<i>Aug 2022 - present</i>
Sensetime <i>Research Intern</i> - Participating in research and development of Transfer Learning algorithm especially in Domain adaptation and Domain Generalization.	<i>May 2021 - Aug 2022</i>

AWARD

- EMEDIC GLOBAL 2021 - Silver Award	— 2021
- EMEDIC GLOBAL 2021 - Best presentation Award	— 2021
- Kaggle - RANZCR CLIP (Top 30%)	— 2021
- Robomaster Robotics Competition - First Prize (3/173 worldwide)	— 2019
- Robomaster Robotics Competition - First Prize (10/173 worldwide)	— 2020
- Robocon Robotics Competition - First Prize	— 2020

PUBLICATIONS

- [1]. H. Gao, W. Fan, L. Qiu, X. Yang, Z. Li, X. Zuo, Y. Li, H. Ren, “SAVAnet: Surgical action-driven visual attention network for autonomous endoscope control”, IEEE Transactions on Automation Science Engineering (T-ASE), 2022.
- [2]. Fan, W., Chen, J., Ma, J., Hou, J., Yi, S. (2022). StyleFlow For Content-Fixed Image to Image Translation. arXiv preprint arXiv:2207.01909.
- [3]. Fan, W., Yang, Y., Qiu, K., Wang, S., Guo, Y. (2022). InvNorm: Domain Generalization for Object Detection in Gastrointestinal Endoscopy. arXiv preprint arXiv:2205.02842.