

Yujin Chen

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EDUCATION

- **Wuhan University, State Key Lab of LIESMARS** Wuhan, China
M.E. in Cartography and Geographic Information Engineering Sep. 2018 – Jun. 2021
- **Wuhan University, School of Geodesy and Geomatics** Wuhan, China
B.E. in Geomatics Engineering; GPA: 3.71/4.0 (Top 5% in 310 students) Sep. 2014 – Jun. 2018
- **Israel Institute of Technology (Technion), Faculty of Electrical Engineering** Haifa, Israel
Exchange Student: Summer School of Engineering and Science, Specialize in Machine Learning Jul. 2018 – Aug. 2018

PUBLICATIONS

- **Human-Centric Parsing:**
Yujin Chen, Zhigang Tu, Lihao Ge, Dejun Zhang, Ruizhi Chen, Junsong Yuan, “SO-HandNet: Self-Organizing Network for 3D Hand Pose Estimation with Semi-supervised Learning”, Proc. International Conference on Computer Vision (ICCV’19).
- **Image Geo-localization & Indoor Scene Understanding:**
Yujin Chen, Ruizhi Chen, Mengyun Liu, Aoran Xiao, Dewen Wu, Shuheng Zhao, “Indoor Visual Positioning Aided by CNN-Based Image Retrieval: Training-Free, 3D Modeling Free”, Sensors, 2018.
Mengyun Liu, Ruizhi Chen, Deren Li, **Yujin Chen**, Guangyi Guo, Zhipeng Cao, Yuanjing Pan, “Scene recognition for indoor localization using a multi-sensor fusion approach”, Sensors, 2017.
Aoran Xiao, Ruizhi Chen, Deren Li, **Yujin Chen**, Dewen Wu, “An indoor positioning system based on static objects in large indoor scenes by using smartphone cameras”, Sensors, 2018.

RESEARCH EXPERIENCE

- **Visual Computing Lab, University at Buffalo** Buffalo, NY, U.S.
Research Assistant, Advisor: Prof. Junsong Yuan Jul. 2019 - Nov. 2019
 - **Hand-centric parsing:** 3D pose and shape prediction from hand-object interaction image.
- **LIESMARS Vision Lab, Wuhan University** Wuhan, China
Research Assistant, Advisor: Prof. Zhigang Tu Sep. 2018 - Present
 - **Depth-based hand pose estimation:** Accepted by International Conference on Computer Vision (ICCV’19).
- **Ubiquitous Navigation Lab, Wuhan University** Wuhan, China
Research Assistant, Advisor: Prof. Ruizhi Chen Jan. 2017 - Jul. 2018
 - **Indoor positioning by camera, Wi-Fi and inertial sensors:** Accepted by Sensors (SCI, 2018 IF:3.031).
- **National Undergraduate Research Project, Wuhan University** Wuhan, China
Research Team Leader (5 members), Advisor: Prof. Yingbing Li Mar. 2016 - Sep. 2017
 - **Analysis of real estate data in Wuhan:** Evaluated as **Excellent**; Accepted by a Chinese journal.

SELECTED AWARDS AND HONORS

- Research Abroad Scholarship (top 1%),** State key Lab of LIESMARS 2019
- National Endeavor Scholarship (top 3%),** Ministry of Education of China 2015, 2016, 2017
- Outstanding Bachelor Thesis award,** Wuhan University 2018
- Merit Student Honor (top 10%),** Wuhan University 2016, 2017

PROGRAMMING SKILLS

Pytorch, Tensorflow, Python, C++/C, Matlab, C#, Android/Java, R, L^AT_EX

ACADEMIC SERVICES

Teaching Assistant

Coursera: Computer Vision Specialization

Summer 2019