Jiacheng Hou

- **Gender:** Male
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- **Add.:** Weijin Road No.92, Nankai district, Tianjin, China

Education

Georgia Institute of Technology (GT, U.S.)	2021.9 – now	
MS in Electrical and Computer Engineering	**GPA:** 3.9/4.0	
Tianjin University (TJU, China)	2021.9. – now	
MS in Information and Communication Engineering	**GPA:** 91.33/100	
Bangor University (U.K.)	2017.9 – 2020.6	
BS in Electronic Engineering	**GPA:** 85.53/100 (First class honors)	
Central South University of Forestry and Technology (China)	2016.9. – 2020. 7.	
BS in Electronic Information Engineering	**GPA:** 4.03/5 (top 10%)	

Publication

- **Space-Time Memory-Guided Transformer for Video Inpainting,** Jiacheng Hou et al., ICCV 2023, in preparation, 2023 (CCF-A)

- **Mutual-Guided Color and Depth Inpainting Network in RGB-D Videos,** Jiacheng Hou et al., CVPR 2023 under review, 2022 (CCF-A)

- **Wire-removal method, device and medium based on deep generative models,** Zhong Ji, Jiacheng Hou, China Patent, 2022 (In-progress)

- **G2LP-Net: Global-to-Local Progressive Video Inpainting Network**, Zhong Ji, Jiacheng Hou et al., IEEE TCSVT, 2022 (CCF-B, Q1, IF=5.859)

- **Reversible data hiding based on multiple histogram modification and deep neural networks**, Jiacheng Hou et al., SPIC, 2021 (CCF-C, Q2, IF=3.453, Citation: 17)

Internship

- **ZOOMLION** – IOT depart.   2018.12 – 2019.2
Working as the general intern to assist device development, e.g. writing device reports.

- **State Grid China** – Electrical Research Institute Hunan   2019.5 – 2019.11
Working as the research intern to assist data collection, cleaning, pre-processing, literature review, paper writing, paper revision and etc.

- **South University of Science and Technology** – CS depart.   2022.5 – now
Working as the visiting student carrying the research in RGB-D video processing.

Skills and Certificates

- **Language skills:** CET-4, CET-6, **IELTS Band 7.5** (Speaking and Writing are 7)
- **Programming skills:** Python (Pytorch, tensorflow, keras), C++, MATLAB
- **Awards:** National Scholarship (2022, **top 0.2%**), Excellent student of Tianjin, Excellent Student of Tianjin University (2022), First-class Scholarship of Tianjin University (2021, 2022), Outstanding Graduate of CSUFT (2020) etc.