RUYI ZHA

Australian National University, Canberra

(+61) 0402678123 ⋄ ruyi.zha@anu.edu.au ⋄ ruyi.zha@gmail.com

EDUCATION

Australian National University, Canberra, Australia   *April 2021 - Now*
Doctor of Philosophy Candidate, Engineering and Computer Science majoring in Engineering
Referee: Professor Hongdong Li
Topic: neural rendering, medical imaging, 3D vision

Australian National University, Canberra, Australia   *July 2018 - July 2020*
Bachelor of Engineering (Honours), major in Mechatronics
GPA: 6.867/7, Weighted Average Mark: 89.82/100, First Class Honours

Northwestern Polytechnical University, Xi'an, China   *September 2016 - June 2018*
Bachelor of Engineering, major in Automation
GPA: 91.9/100, Ranking: 2/122

PUBLICATIONS

EndoSurf: Neural Surface Reconstruction of Deformable Tissues with Stereo Endoscope Videos   *October 2023*
MICCAI 2023 (Oral), link
Ruyi Zha*, Xuelian Cheng*, Hongdong Li, Mehrtash Harandi, Zongyuan Ge

NAF: Neural Attenuation Fields for Sparse-View CBCT Reconstruction   *September 2022*
MICCAI 2022 (Oral), link
Ruyi Zha, Yanhao Zhang, Hongdong Li

EXPERIENCE

Research Intern   *July 2022 - April 2023*
Tencent XR Lab, Canberra
VR multi-sensor calibration, 3D indoor scene generation

Research Assistant   *November 2020 - April 2021*
College of Engineering and Computer Science, ANU, Canberra
3D plant reconstruction

Summer Research Intern   *November 2019 - February 2020*
College of Engineering and Computer Science, ANU, Canberra
Person re-identification

HONORS AND AWARDS

MICCAI 2023 Student Travel Award   *October 2023*

MICCAI 2022 Student Travel Award   *September 2022*

Australian Government Research Training Program Scholarship   *April 2021*

First Class Honours - H1   *July 2020*

Summer Research Scholarship   *November 2019*

China National Scholarship   *October 2017*

SKILLS

Python, Pytorch, C++, Matlab