

Fuyang Zhang (张夫洋)

fuyang.zhang97@gmail.com, fuyangz@sfu.ca
<https://zhangfuyang.github.io/>

EDUCATION

Simon Fraser University PhD. Computer Science Supervised by Prof. Yasutaka Furukawa	Burnaby, Canada Sept. 2021-Present
--	---------------------------------------

Simon Fraser University MSc. Computer Science Supervised by Prof. Yasutaka Furukawa	Burnaby, Canada Jan. 2020-Jul. 2021
--	--

BeiHang University <i>B.CS. SHENYUAN Honors College, major in Computer Science</i> • Major GPA: 3.7/4.0 • Awards: 1 st Prize of BeiHang C Language Programming competition (1st of 300), 2 nd Prize of National College Student Information Security (top 5%)	Beijing, China Sept. 2015-Jul.2019
---	---------------------------------------

RESEARCH EXPERIENCE

Embodied AI Advisor: Yasutaka Furukawa, Associate Professor, Simon Fraser University	Jul. 2021-Present
--	-------------------

Structured Architecture Reconstruction Advisor: Yasutaka Furukawa, Associate Professor, Simon Fraser University Research Areas: Deep Learning, Computer Vision.	Jul. 2019-Jul.2021
--	--------------------

Reinforcement learning system for Autonomous driving Advisor: Hao Sheng, Associate Professor, Beihang University Others: Bachelor Thesis	Dec. 2018-Jun. 2019
---	---------------------

Visual Tracking with Reinforcement Learning Advisor: Jiwen Lu, Associate Professor, Tsinghua University Research area: Computer Vision Others: PDF for more detail.	May.2018-Oct.2018
---	-------------------

PUBLICATIONS

-
1. [Fuyang Zhang](#), Xiang Xu, Nelson Nauata, and Yasutaka Furukawa. "Structured Outdoor Architecture Reconstruction by Exploration and Classification" in ICCV 2021.
 2. [Fuyang Zhang*](#), Nelson Nauata*, and Yasutaka Furukawa. "Conv-MPN: Convolutional Message Passing Neural Network for Structured Outdoor Architecture Reconstruction" in CVPR 2020.

INTERN EXPERIENCE

Beihang Data Engineering (Smart City Gov. Project) Lab <i>Software Developer Intern</i>	Jul.2017-Jan.2018
---	-------------------

- Worked on a project to systematically improve the efficiency of the online meeting platform

Teaching Assistant in RoboRAVE Workshop • Taught students in high school how to turn their idea about robots into reality; helped them prepare for the RoboRAVE Asia Open; one of my group won the first prize in the Asia Open	Feb.2016-Mar.2016
---	-------------------

AWARDS AND HONORS

Graduate Entrance Scholarship	Sept. 2021
Graduate Fellowship	Jan. 2020 & Sept. 2021

Second Prize, National College Student Information Security Contest(5%)	Jul. 2018
Honorable Mention, Mathematical Contest In Modeling(MCM/ICM Contest)	Apr. 2017
Third Prize, the 26th “Feng Ru Cup” Competition of Academic and Technological Works	May 2016

SKILLS AND OTHERS

Language: Chinese (native), English.

Computer skills: C/C++, C#, Java, python, pytorch, tensorflow

Interests: Basketball, Billiards, Ski, and Go (high amateur level, 4 dan)