

Xinyu Zhang

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Profile

- Experience in team development of a web application (checklist app) in both frontend and backend.
- Research experience in a wide range of distributed deep learning, including natural language processing, image recognition and generative adversarial network.
- Capability in problem analysis and solving, along with ability to learn fast.

Education

- **Shanghai Yanan High School**

Sep 2013 - Jun 2016

- **Tokyo Institute of Technology**, Bachelor of computer science

Apr 2017 - Mar 2021

Supervisor: Rio Yokota

Academics: 3.73/4.50 GPA

Thesis: Verification of large batch training on large-scaled pretrained model

- **Tokyo Institute of Technology**, Master of computer science

Apr 2021 -

Work Experience

- **Odakyu Sightseeing Service Center Shinjuku West**

Dec 2017 - Mar 2021

Part-time job

- **RWBC-OIL** (AIST- Tokyo Tech Real World Big-Data Computation Open Innovation Laboratory)

Jan 2021 -

Research assistant / Technical staff

Working on deep learning model Vision Transformer to increase the learning efficiency.

- **Future Corporation, Strategic AI Group**

Apr 2021 -

Part-time job

Doing research and development on a project of Optical Character Recognition.

Research

- **Verification of the Large Batch Problem for Distributed Pretraining of Transformers**, Rio Yokota, Xinyu Zhang, The journal of the Institute of Image Information and Television Engineers 75(5), 593-596, 2021-09.

Skills

- **Programming languages/Frameworks**

Python, PyTorch, C, Java, Scala, HTML, CSS, JavaScript, SQL, Play Framework, React, MATLAB

- **Environment/Tools**

Linux, UNIX, Git, Docker, Kubernetes

- **Languages**

Japanese(advanced), English(advanced), Chinese(native)

Certificates

- Japanese-Language Proficiency Test, N1 (2017)
- TOEFL-iBT, 108/120 (2020)