

# Ding Yang

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## EDUCATION

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### Cornell University

Master of Engineering in Electrical and Computer Engineering

Aug 2023 – May 2024

Ithaca, NY, United States

### Tsinghua University

Bachelor of Engineering in Automation

Aug 2019 – Jun 2023

Beijing, China

## JOB EXPERIENCE

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### Software Engineer · WeRide Corp

San Jose, CA, United States

Jul 2024 – Present

- Develop planning and control algorithm for autonomous driving vehicles.
- Integrate third party navigation module in global planner to provide navigation ability.
- Implement lane cruise control function when vehicle is out of navigation.
- Adapt global planner to work with navigation and standard-definition maps from multiple sources.
- Using generative AI to enrich corner-case scenarios, thereby improving the simulation environment's capability to validate algorithms.

## INTERNSHIP

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### Software Engineer Intern · arXiv

Ithaca, NY, United States

Sep 2023 – Jul 2024

- Participated in the maintenance and improvement of arXiv database in the Google cloud platform.
- Built a robust tex parser that extract key informations from tex source files, then generated relationship structures and visualization graphs.

### Software Engineer Intern · Airwallex

Shanghai, China

Jun – Sep 2022

- Assessed transaction risks by building analyzing platform and robust data pipelines.
- Developed a python library named Vivqu based on Apache Spark and AWS DeeQu to provide metric verification, visualization, defect analysis.

### Software Engineer Intern · ByteDance

Beijing, China

Aug – Aug 2021

- Constructed an Operator-Performance dictionary then employed SVM models to fit the existed data and predict performance of new models.

## PROJECTS

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### Information Sharing Website with Authentication

Tsinghua University

Jul – Aug 2023

- Developed a website based on Django to share graduate application and working information within the university, which supports login check and register authentication through school mailbox.
- Generated the main content by MkDocs, a fast static site generator. The web server process was deployed on Gunicorn, and the reverse proxy and static content was provided by Nginx.

### 3D Bin Packing Simulator

Tsinghua University

Sep 2021 – Feb 2022

- Developed a simulator in Python, which provides the interface for researchers to test various packing strategies.