

Dong Jia

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RESEARCH INTEREST

UAV-Aided Network Deployment and Resource Allocation Using Digital Twins

Digital twins modeling with AI, UAV-assisted network deployment, and joint optimization.

AI-Enabled Computing and Networking for Future Wireless Applications

Edge computing, edge AI, end-edge-cloud interplay, joint networking slicing and computing task offloading

EMPLOYMENT

Rust Quantitative Trading Developer

Feitu Co., Ltd., Shanghai, China

Duties: Develop the quantitative trading platform
and provide technical support to customers.

Feb. 2023 – Jul. 2023

Software Engineer

Pinduoduo Inc., Shanghai, China

Duties: Develop and maintain scalable back-end services
for a platform used by millions.

Jul. 2020 – Apr. 2022

AI Platform Development Internship

Huya Inc., Guangzhou, China

Duties: Develop the Image Labeling Platform
and deploy monitoring systems on Kubernetes clusters.

Jul. 2019 – Nov. 2019

EDUCATION

Master of Science (M.Sc.), Electrical Engineering

University of Calgary, Calgary, AB, Canada

Sept. 2023 – Present

Bachelor of Engineering (B.E.), Software Engineering

Shandong University, Jinan, Shandong, China

Sept. 2016 – Jun. 2020

RESEARCH EXPERIENCE

Graduate Student

Department of Electrical and Software Engineering
University of Calgary, Calgary, Canada.

Sept. 2023 – Present

✓ **Digital-Twin-Enabled Intelligent Network Deployment**

- Digital twin modeling for network environments using machine learning methods
- Network deployment based on constructed digital twin models

Undergraduate Research Assistant

School of Software
Shandong University, Jinan, China.

May 2017 – Dec. 2018

✓ **Machine Learning for Heart Disease Detection**

- Literature review on existing methods
- Model reproduction and prototype development

SKILLS

Programming Languages:

Rust, Python, Java, C/C++, and Go.

Systems:

Kubernetes, Prometheus, and Linux.

HONORS and AWARDS

- National Motivational Scholarship (twice), Shandong University, China, 2017-2019.
- Outstanding Graduated Thesis, Shandong University, China, 2020.

TEACHING EXPERIENCE

Teaching Assistant

Jan. 2024 – Apr. 2024

Department of Electrical and Software Engineering, University of Calgary

Undergraduate course: ENSF 444 “Machine Learning Systems”

Duties: Lab supervision, Q&A support, and assignment grading.