

# Dai Jun

Zhejiang University, Hangzhou, Zhejiang Province, China

Portfolio · GitHub

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## EDUCATION

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- **Zhejiang University** (2021 - Present)  
Master of Engineering, Optical Engineering  
GPA: 3.84/4.0
- **Tianjin University** (2017 - 2021)  
Bachelor of Opto-Electronics Information Science and Engineering  
GPA: 3.56/4.0, Rank: 24/94(Top 30%)

## RESEARCH INTERESTS

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My research interests lie on accelerating AI model computing by optic methods, explainable AI, Computer Vision and Natural Language Processing.

## RESEARCH EXPERIENCE

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- **Integrated Opto-Electronics Laboratory, Tianjin University** Dec 2020 – May 2021  
Research Assistant  
Supervised by Prof. Delong Zhang  
Worked on the simulation part of Design of Erbium-doped Lithium Niobate Photonic Wire Amplifier
- **Micro Optical Electronic Mechanical System Technology Laboratory, Tianjin University** Sep 2019 – June 2020  
Research Intern  
Supervised by Prof. Pengfei Niu  
Worked on designing experiment to verify the validity of piezoelectric properties of bacterial cellulose

## PUBLICATIONS

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- Fan, L., Long, X., Dai, J., Li, C., Dong, X., & He, J. J. (2023). Optical-electronic hybrid Fourier convolutional neural network based on super-pixel complex-valued modulation. *Applied Optics*, 62(5), 1337-1344.

## SKILLS

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- **Programming Languages**  
Python, Java, Matlab
- **Technical**  
PyTorch, openCV, Git

## HONORS AND AWARDS

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- **First Prize in the National College Student Mathematics Competition Preliminary Contest. (Province-level)**
- **Second Prize in Tianjin City College Student Mathematics Competition. (Province-level)**
- **Third-class Scholarship at the University Level. (Twice)**
- **Scholarship for academic achievement.(2022-2023)**