

# Liu Xing

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## EDUCATION

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**National University of Defense Technology** 2016.09 - 2018.12  
**M.S.** in Electronic Science and Technology  
Advisor: **Prof YuanNaiChang**

**Nanjing University of Aeronautics and Astronautics** 2012.09 - 2016.07  
**B.S.** in Microelectronics / GPA: (3.9/5.0) Ranking: 1/27  
Thesis Advisor: **Prof BuGang**

## RESEARCH INTERESTS

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Physics Simulation and Animation

## WORK EXPERIENCES

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**Tencent Tech** **Shenzhen, China**  
Frontend Developer 2021.6 - 2023.4  
Responsible for leading the development of digital twin tools and webpages for data centers. This involves creating a tool for building digital twin scenes and designing 3D + 2D graphics webpages, covering various scenarios like HVAC, electricity, monitoring, and access control, etc. The goal is to improve data center management and efficiency through innovative digital twin technology.

**SF Tech** **Shenzhen, China**  
Frontend Developer 2019.3 - 2021.5  
Developed the inaugural 3D Application of SF Freight logistics hub, establishing a groundbreaking precedent within SF Tech. It's the first 3D app in *SF Tech*. This digital twin platform harnesses AI and simulation technology to enable advanced logistics operation scheduling and early-warning capabilities, showcasing novel approach to industry standards. [\[link\]](#)

## PUBLICATIONS

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· **A Novel Tunable Broadband Absorber based on Graphene**  
X Liu, W T Yuan, Y Yuan, W W Wei and N C Yuan  
In IOP Conference Series: Materials Science and Engineering, 2018 [\[link\]](#)

## HONORS & AWARDS

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Dec 2022 Technology Pioneer Award of IDC Platform Division  
Dec 2022 Tencent Open Source Collaboration Award (Front-end data visualization Oteam)  
Dec 2021 Good+ Staff in Tencent  
Oct 2021 DIA HONORABLE MENTION: Digital Twin of SF Freight Logistics Hub [\[link\]](#)  
Dec 2019 Good+ Staff in SF  
2012-2016 Second-Class Student Scholarship  
2014 Third Prize in the National Mathematical Modeling Competition, Jiangsu Region  
2014 Excellent Student Cadre

## Relevant Courses

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### Graduate:

Fundamentals of Applied Mathematics  
Digital Signal Processing  
Advanced Electromagnetic Field Theory

### Undergraduate:

Advanced Mathematics  
Linear Algebra  
Probability Theory and Mathematical Statistics  
Complex Analysis  
College Physics  
Programming of C++ Language  
Signal and System  
Digital Image Processing

## SKILLS

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Programming Languages	Python, C++, React, JavaScript, HTML
Tools	Blender, PyTorch
Languages	Language: Chinese(MotherLanguage) English(IELTS 7.5) Korean(Basic) German(Basic)
Others	Certificate of Legal Professional Qualification