Liu Xing

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EDUCATION

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

Physics Simulation and Animation

PUBLICATIONS

· **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]*

WORK EXPERIENCES

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]*

HONORS & AWARDS

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

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

Programming Languages	Python, C++, React, JavaScript, HTML
Tools	Blender, PyTorch
Languages	Language: Chinese(MotherLanguage) English(IELTS 6.5) Korean(Basic) German(Basic)
Others	Certificate of Legal Professional Qualification