

Liu Xing

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EDUCATION

National University of Defense Technology 2016.09 - 2018.12

M.S. in Electronic Science and Technology / GPA: (3.5/4.0) No Ranking

Advisor: **Prof YuanNaiChang**

Relevant courses: Fundamentals of Applied Mathematics; Digital Signal Processing; Advanced Electromagnetic Field Theory;

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**

Relevant courses: Advanced Mathematics; Linear Algebra; Probability Theory and Mathematical Statistics

Complex Analysis; College Physics; Programming of C++ Language; Signal and System; Digital Image Processing;

RESEARCH INTERESTS

The Physically-based Animation and Simulation

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

SKILLS

Programming Languages	C++, OpenGL, Python, React, Vue, JavaScript, HTML
Tools	Blender
Languages	Chinese(MotherLanguage) English(IELTS 7.5) German(A2) Korean(TOPIK I)
Others	Certificate of Legal Professional Qualification

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 [*\[link\]*](#)