

# 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 / 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

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Computer Graphics; Physically-based Animation and Simulation; Visualization;

## WORK EXPERIENCES

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**Tencent Tech** **Shenzhen, China**

Frontend Developer

2021.6 - 2023.4

Led development of digital twin tools & webpages to optimize data center management & efficiency. Designed user-friendly tool for building digital twin scenes & created visually compelling 3D & 2D graphics webpages for various scenarios (HVAC, electricity, monitoring, access control). This work leveraged digital twin tech. to transform data center operations, enabling better decision-making & enhanced performance.

**SF Tech** **Shenzhen, China**

Frontend Developer

2019.3 - 2021.5

Pioneered development of 3D Application for SF Freight logistics hub, setting a new benchmark in SF Tech's innovation portfolio. This digital twin platform leveraged AI & simulation tech. to streamline logistics operations & enhance early-warning capabilities. This work demonstrated the transformative potential of AI & simulation in optimizing logistics workflows. [\[link\]](#)

## 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

## SKILLS

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Programming Languages

C++, OpenGL, C#, Python, React, Vue, JavaScript, HTML

Tools

Blender, Unity

Languages

Chinese(MotherLanguage) English(IELTS 7.5) German(A1)

Others

Certificate of Legal Professional Qualification