

# Xia Jianjun

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## EDUCATION

<b>Washington University in Saint Louis</b> <i>Ph.D in Computer Science</i>	Saint Louis, USA <i>Aug 2024 – now</i>
<b>Georgia Institute of Technology</b> <i>Master of Science in Computer Science, GPA 4.0/4.0</i>	Atlanta, USA <i>Aug 2022 – May 2024</i>
<b>Tsinghua University</b> <i>Master in Safety Engineering, GPA 3.7/4.0</i>	Beijing, China <i>Aug 2015 – July 2018</i>
<b>University of Science and Technology Beijing</b> <i>Bachelor in Safety Engineering, GPA 3.8/4, Ranking 1/60</i>	Beijing, China <i>Aug 2011 – July 2015</i>

## INTEREST AREAS

3D Computer Vision and Computer Graphics, Machine Learning, Deep Learning

## PROFESSIONAL EXPERIENCE

<b>Application Research Engineer</b> <i>TEG, Tencent</i>	2021 – 2022 <i>Shenzhen, China</i>
<b>Computer Vision Research Engineer</b> <i>AR &amp; VR Department, SenseTime Group Limited</i>	2019 – 2021 <i>Hangzhou, China</i>
<b>C/C++ Software Engineer</b> <i>Huawei Technologies Co., Ltd.</i>	2018 – 2019 <i>Shenzhen, China</i>
<b>Computer Vision Research Intern</b> <i>Motion and Depth Team, SenseTime Group Limited</i>	2017 – 2018 <i>Shenzhen, China</i>

## PROJECTS

<b>Variational Surface Reconstruction Using Natural Neighbors, Washu</b> <ul style="list-style-type: none"><li>Implemented the algorithm in C++ to reconstruct 3D surface from unoriented point cloud</li></ul>	2024 – 2025
<b>Human Face Attributes Classification, Tencent</b> <ul style="list-style-type: none"><li>Built a neural network frame with Pytorch to accomplish face attributes classification</li><li>Defined the classification rules for data labeling</li><li>Implemented raw image processing and data cleaning</li></ul>	2021 – 2022
<b>3D Reconstruction from Point Clouds of Indoor Scenarios, SenseTime</b> <ul style="list-style-type: none"><li>Optimized <a href="#">Ployfit</a> to reconstruct more complex indoor scenarios</li><li>Utilized CGAL to process point clouds and meshes</li></ul>	2021 – 2021

## GRANTS, HONORS & AWARDS

<b>The Second Prize Scholarship of Tsinghua University</b>	2017
<b>Excellent Undergraduate in Beijing</b>	2015
<b>National Scholarship, China</b>	2013&2014
<b>Second Prize in Beijing Physics Competition for University Students</b>	2012

## SKILLS

**Programming Languages:** C/C++, CUDA, Python  
**Developer Tools & Libs:** Pytorch, CGAL, OpenCV, PCL, OpenGL, VScode

## ENGLISH

**GRE:** Verbal 159, Quantitative 170, Writing 3.5  
**TOEFL 105:** Reading 30, Listening 27, Speaking 23, Writing 25  
**IELTS 7.5:** Listening 7.5, Reading 8.5, Speaking 6.5, Writing 6.5