

## Education

Sep. 2023 – May 2025	New York University, New York, NY, United States Master of Science(M.Sc.), Computer Science GPA:3.778/4
Sep. 2019 – Jun. 2023	Zhejiang University of Technology, Hangzhou, China Bachelor of Engineering(B.E.), Software Engineering GPA:88.6/100

## Research Interests

Computer Graphics, Geometry Processing, Numerical Simulation, Discrete Differential Geometry

## Research Experience

Aug. 2025 – Present	Inria, Nancy, Grand Est, France Research Engineer at Pixel Team Advisor: <a href="#">Etienne Corman</a> <ul style="list-style-type: none"><li>Developing an algorithm for quad mesh generation on curved surfaces using medial axis and geodesic distance computations.</li></ul>
Jul. 2025 – Present	University of Victoria, Victoria, BC, Canada Research Assistant (Remote) Advisor: <a href="#">Teseo Schneider</a> <ul style="list-style-type: none"><li>Developing a robust algorithm to construct prism-dominant shell meshes from non-manifold inputs.</li></ul>
Sep. 2023 – May 2025	New York University, New York, NY, United States Research Assistant at Geometric Computing Lab Advisor: <a href="#">Daniele Panozzo</a> <ul style="list-style-type: none"><li>Designed a pipeline to automate biomechanical simulations and implemented a plugin to streamline workflows.</li><li>Designed and implemented an offsets generation algorithm and contributed to the Wildmeshing Toolkit C++ library.</li></ul>
Sep. 2021 – May 2023	Zhejiang University of Technology, Hangzhou, China Research Assistant at Institute of Digital Media Technology Advisor: <a href="#">Jiazhou Chen</a> <ul style="list-style-type: none"><li>Implemented several broad-phase collision detection algorithms and integrated them into medical software while also developing a custom algorithm to visualize collisions between different objects.</li><li>Designed and implemented a custom algorithm to reconstruct the undercut model of human teeth.</li></ul>

## Publications & Preprints

### Peer-reviewed Journal Articles

- J1. Zint, D., **Zhouyuan Chen**, Zhu, Y., Zorin, D., Schneider, T. & Panozzo, D. Topological Offsets. *ACM Transaction on Graphics(SIGGRAPH)*, 2025.

## Teaching Experience

### New York University

Teaching Assistant Geometric Modeling(CSCI-GA.3033-018)	Spring 2024, Spring 2025
Grader Intro to Computer Science(CSCI-UA.101)	Spring 2024

## Awards & Honors

2020-2022 Academic Excellence Scholarship, Zhejiang University of Technology

## Technical Skills

Programming Language: C++, C, Python, Java, MATLAB  
Languages: Chinese (native), English (fluent)

## References

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Last updated: August 21, 2025