YUNUO CHEN

University of Science and Technology of China, Hefei, Anhui, P.R.China
(+86)15055155608 ⋄ yunuoch@gmail.com⋄ yunuoch@mail.ustc.edu.cn

EDUCATION

University of Science and Technology of China *Sept 2016 - June 2020*
B.S. in Mathematical Sciences
Major in Information & Computational Science
GPA: 4.05 / 4.30
Ranking: 2nd/56 in my major and 4% in School of the Gifted Young
Relevant Courses:
Mathematics Analysis, Linear Algebra, Real Analysis, Differential Equations, Numeric Analysis, Numeric Algebra, Differential Geometry, Functional Analysis, Mathematical Statistics, Numerical PDE, Wavelet Analysis, Mathematical Modeling

PUBLICATION

Joshuah Wolper, Yunuo Chen, Minchen Li, Yu Fang, Ziyin Qu, Jiecong Lu, Meggie Cheng and Chenfanfu Jiang, AnisoMPM: Animating Anisotropic Damage Mechanics, ACM Transactions on Graphics (SIGGRAPH), 2020

RESEARCH EXPERIENCE

Multi-Physics Simulation *July 2019 - Present*
Supervisor: Prof. Chenfanfu Jiang
Computer and Information Science, University of Pennsylvania

- Combined strengths of different methods to enable animating complex material interactions.
- Implemented an efficient method for visualization of ductile fracture.
- Explored Material Point Method with more physical phenomena like inextensible fibers.

Exploration in Fluid Simulation *July 2018 - June 2019*
Supervisor: Prof. Ligang Liu
Graphics & Geometric Computing Laboratory, School of Mathematical Sciences, USTC

- Combined different schemes and enabled coupling of different materials.
- Proposed a simple method for solving phase-change problems.
- Built a flexible physics-based simulation engine with Material Point Method.

Efficient Medial Axis Computation *March 2019 - June 2019*
Supervisor: Prof. Falai Chen
Graphics & Geometric Computing Laboratory, School of Mathematical Sciences, USTC

- Proposed an efficient method for medial axis computation.
- Developed a reconstruction algorithm to crack noisy boundary problem.
- Analyzed the time efficiency and compared different methods.

HONORS

National Scholarship(Top 1% Nationwide), 2019
Cyrus Tang Scholarship, 2018
Silver Scholarship for Outstanding Students (USTC), 2017
Bronze Scholarship for Freshmen Students (USTC), 2016