

Ben Xu

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Tianjin: China

Research interests

Physical simulation, fluid simulation, scientific computing

Education

2019 – Present **Nankai University** – Tianjin
Master degree
Mentor: Bo Ren

2015 – 2019 **Nankai University** – Tianjin
Bachelor degree

Research experience

Sep 2019 – Present **Media Computing Lab, Nankai University**
Advised by Prof.Bo Ren and Prof.Ming-Ming Cheng

July 2021 – Sep 2021 **ZenSim**
Research intern

Publication

2021 **Unified Particle System for Multiple-fluid Flow and Porous Material**
Bo Ren*, Ben Xu*,Chenfeng Li. (* equal contribution)
SIGGRAPH 2021.

Projects

Shallow Water Equation(SWE)

Use staggered grid to simulate SWE model. Real-time simulation with a precision of millions.

Stokesian Dynamics

Simulating colloidal particles suspension in low Reynolds number fluid by combining SPH and MPM.