

Wenyuan Xue

Department of Civil and Environmental Engineering
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Research Interests

Fluid mechanics, solid mechanics, numerical methods, fluid-structure interaction

Education

Ph.D., Civil and Environmental Engineering, Stanford University, 2023 - 2028. (expected)
M.S., Structural Engineering, Stanford University, 2021 - 2023. GPA: 4.057/4.3
B.S., Civil Engineering, Tongji University, 2016 - 2020. GPA: 4.87/5

Work Experience

Research assistant, Stanford University, 2023.4 - 2023.6
Research assistant, Tongji University, 2020.9 - 2021.8

Research Experience

Stanford University, 2024.1 - present

Advisor: Oliver Fringer

Particle-resolved direct numerical simulation of particle-laden flow

Stanford University, 2022.9 - 2023.12

Advisor: Christian Linder

Phase field fracture modeling of anisotropic biological materials at finite strains

Tongji University, 2020 - 2021

Advisor: Hu Xiang

Experimental and theoretical study of FRP rebar reinforced UHPC components

Tongji University, 2019 - 2020

Advisor: Fei Peng, Weichen Xue

Reliability analysis of flexural capacity of reinforced UHPC beams

Programming Skills

MATLAB, Python, C, C++, Julia