

Steel & Light Structure,
College of Civil Engineering,
State Key Laboratory of Disaster Reduction in Civil
Engineering & Department of Structural Engineering,
Tongji University.

1239 Siping Road, Tongji University,
Shanghai 200092, China
E-mail: ysxnpng@tongji.edu.cn
Tel. +86 18042656397



PERSONAL INFORMATION

Name: Shengxin Yu Date of birth: April 14, 2000 (Liaoning, China) Nationality: China
Homepage: [Yu Shengxin's Website \(shengxinyu.netlify.app\)](https://shengxinyu.netlify.app)
Master Supervisor: Prof. **Cheng Fang** (<https://faculty-civileng.tongji.edu.cn/fangcheng/en/index.htm>)
Associate Supervisor: Assistant Prof. **Yue Zheng** (<https://faculty-civileng.tongji.edu.cn/zhengyue/en/index.htm>)

EDUCATION¹

2021.9-present **Master's Degree Candidate** Department of Structural Engineering, Tongji University, China
Cumulative Grade Average: **4.87 / 5.0**
2017.9-2021.6 **Bachelor Degree** School of Civil Engineering, Dalian University of Technology, China
Cumulative Grade Average: **89 / 100 (top 3%)**
English Proficiency **IELTS (Academic Module): 6, preparing for a higher score**

RESEARCH EXPERIENCE

2023.9-2023.6
2022.9-2023.8 新型多阶段耗能缓冲限位隔震支座的设计、试验和模拟
主要贡献:
Research Output: Journals [1] and [4]
2022.9-2023.1
2021.9-2022.8 基于深度学习的计算机视觉土木工程健康监测研究
Research Output: Journals [1]
2019-2020 **In-depth fusion and intelligent early warning of multivariate and multi-field data for extra-large landslides**
数据采集大创2: 特大滑坡多元多场数据深度融合与智能预警, 指导老师: 裴华富教授
2018.-2019 大创1先写项目名称, 再写工作职责和内容
UHPC

JOURNAL & PATENT PUBLICATIONS

Journals:

- [1] **Shengxin Yu**, Yue Zheng, Cheng Fang. (2023) Multi-stage damping plate-restrained bearings: concepts, experimental validation, and numerical analysis. *Engineering Structures*. (Accepted)
- [2] Cheng Fang, **Shengxin Yu (Corresponding author)**, Xinyue Yang, Yuqing Gao, Yue Zheng. (2022) Advances in civil engineering health monitoring using deep learning-based computer vision. *Journal of Tongji University (Natural Science)*. (EI, in Chinese, accepted)
- [3] Cheng Fang, Qun He, Yuanmu Li, **Shengxin Yu**, Haojie Niu. (2023) Low Temperature Mechanical Behavior of Fe-SMA for Structural Damping. *Journal of Structural Engineering-ASCE* (Revised Manuscript Submitted)
- [4] **Shengxin Yu**, Yue Zheng, Cheng Fang. Seismic performance assessment and numerical investigation of bridges systems with novel damping plate-restrained bearings. (Draft, target journal: *Earthquake Engineering & Structural Dynamics*)
- [5] Zhexi Zhang, **Shengxin Yu**, Cheng Fang. A feasibility study of using novel SMA components for enhancing both structural robustness and seismic resilience. (Draft, target journal: *Journal of Structural Engineering-ASCE*)
- [6] **Shengxin Yu**, Cheng Fang. Seismic. (Draft, target journal: *Engineering Structures*)
- [7] **Shengxin Yu**, Yuelin Zhang. Seismic. (Draft, target journal: *Ocean Engineering*)

Patents:

- [1] Yue Zheng, Cheng Fang, Zhilu Wang, **Shengxin Yu**, Chen Cao, Xin You, Chuansheng Sun et al. (2023) A damping plate-based energy-dissipation buffer limited isolation bearing. (*China Utility Model Patent*, CN218861764U, authorized)
- [2] Yue Zheng, Cheng Fang, Zhilu Wang, **Shengxin Yu**, Chen Cao, Xin You, You Dong et al. (2023) A design method for seismic isolation bearing of assembly shear plate with three-stage energy dissipation, buffering, and limiting. (*China Invention Patent*, 202211368630.5, publication status)

HONORS AND AWARDS

¹full official transcript found in: Attachment_Transcript for Graduate Student.pdf & Attachment_Bachelor's Academic Transcript (Credit System), respectively.

Continued:

SCHOOL & SOCIAL ACTIVITIES

Outstanding Students of Tongji University for the Academic Year 2022-2023	2023.11
National Scholarship for Postgraduate Students for the Academic Year 2022-2023	2023.10
Outstanding Graduates of Liaoning Province	2021.06
Large special scholarship (<1%, only two individuals have been awarded in the civil engineering College.)	2020.10
Outstanding Three Good Students of the School	2018.10&2020.10
Study First Class Scholarship	2018.10&2020.10
Science and Technology Innovation Scholarship	2020.10
Cultural and Sports Activity Scholarships	2020.10
Social Practice Scholarship	2020.10

ABILITIES

Software Skills:	Abaqus, OpenSees, MATLAB, Pycharm, AutoCAD, SOLIDWORKS, Origin et al.
Computer Language:	Python Language, TCL Language, C Language