







Yipeng ZHANG(张翼鹏)

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Competences & Language

Programming	Python, C, C++, Java
Web Development	Flask, JavaScript, jQuery, Vue
Data Visualization	D3.js, ECharts, Antv
 English	CET4-607, CET6-520, IELTS-7.0

Education

July 2025	Institute of Education, Tsinghua University
September 2022	Master of Education in Future Education and Learning (GPA 3.98/4)
July 2024	School of Software, Tsinghua University
September 2022	Big Data Capability Improvement Project (GPA 4/4)
July 2022	School of Computer Science and Technology, East China Normal University
September 2018	Bachelor of Engineering in Computer Science and Technology (GPA 3.67/4)

Project Experience

2019-2020	U-Doctor , Medical Consultation Service App Frontend Development, Page Design, East China Normal University Innovation Training Project.
2020-2021	Poetry Museum , Poetry Learning and Communication Website Frontend and Backend Development, Third Prize in the Internet Plus and Discovery Cup Software Design Competition, Second prize in the East China Normal University Computer Application Ability Competition, Third prize in the Shanghai Computer Application Ability Competition, Software Copyright
2022	Gvoad:Academic Data Geographic Visualization System Crawler, Frontend and Backend Development, Data Visualization
2023	Cancer Patient Data Management System Frontend Development, Data Visualization, Excellent Project in the Big Data Fundamentals Course at Tsinghua University
2024	Tsinghua University Liberal Arts "Shuang Gao" & Case Database Project Inspiring Students' Enthusiasm for Active Exploration—Innovative Education Case of Tsinghua University Automation Experimental Teaching Center

Research Experience

TVCG under review	GVVST: Image-Driven Style Extraction from Graph Visualizations for Visual Style Transfer Sicheng Song, Yipeng Zhang , Yanna Lin, Huamin Qu, Changbo Wang, and Chenhui Li
VIS2024 under review	NeuralDE: Attention-Aware Neural Density Estimation for Spatial Discrete Data Visualization Yipeng Zhang , Yaxuan Zheng, Huayuan Ye, Chenhui Li, and Changbo Wang
China VIS 2023 poster accept	Exploring the impact of visualization tools on algorithm learning Yipeng Zhang , Xiaofeng Tang, Gaoqi He, and Chenhui Li

Internship Experience

August 2023

June 2023

Jiangsu Environmental Protection Group Co., Ltd.

- › Big Data Practice Project Guided by the School of Software Engineering, Tsinghua University
- › Project Leader for [Identification of Development and Construction Activities within Ecological Protection Redlines and Ecological Space Control Areas Based on Deep Learning](#)
- › Trained UNet, SegNet, BIT-based Net, and STANet models
- › Developed website (Flask, Vue, OpenLayers) supporting file transfer and interaction, land classification, and change detection
- › Patent Application in Progress(First Student Author)

Honors and Scholarships

- › Third Prize in the 13th National College Student Mathematics Competition(2019)
- › Second Prize in C/C++ Programming(College Group A), National Blue Bridge Cup Software and Information Technology Talent Competition (2020)
- › Silver Prize, National College Student Algorithm Design and Programming Challenge (2020)
- › Second Prize, American College Student Mathematical Modeling Competition (2021)
- › Silver Medalist, China Collegiate Programming Contest(CCPC 2022)
- › Outstanding Scholarship, East China Normal University (2019, 2020, 3/130)
- › Excellent Student, East China Normal University (2019, 2020, 2021, Top 5%)
- › [Outstanding Award, KuanRui Technology Scholarship](#) (2022, 1/130)
- › [Outstanding Graduate of Shanghai](#) (2022, Top 5%)
- › Comprehensive First-Class Scholarship, Tsinghua University (2023, Top 15%)

Personal Summary

I have good self-motivation and strong desire to study for a Ph.D. My research interests lie in the intersection of data visualization, visual analytics, AI for VIS, E-learning and engineering education.