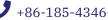
Yipeng ZHANG(张翼鹏)





Female Paijing Spipengzhang 22. github.io



Competences & Language

Programming Python, C, C++, Java

Web Development Flask, JavaScript, jQuery, Vue

Data Visualization D3.js, ECharts, Antv

> A Z English CET4-607, CET6-520, IELTS-7.0

Education

July 2025 September 2022	Institute of Education, Tsinghua University Master of Education in Future Education and Learning (GPA 3.98/4)
July 2024	School of Software, Tsinghua University Big Data Capability Improvement Project (GPA 4/4)
July 2022 September 2018	School of Computer Science and Technology, East China Normal University 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	GVVST: Image-Driven Style Extraction from Graph Visualizations for Visual Style
under review	Transfer
	Sicheng Song, <u>Yipeng Zhang</u> , Yanna Lin, Huamin Qu, Changbo Wang, and Chenhui Li
VIS2024	NeuralDE: Attention-Aware Neural Density Estimation for Spatial Discrete Data
under review	Visualization
	Yipeng Zhang, Yaxuan Zheng, Huayuan Ye, Chenhui Li, and Changbo Wang
China VIS 2023	Exploring the impact of visualization tools on algorithm learning
poster accept	Yipeng Zhang, Xiaofeng Tang, Gaoqi He, and Chenhui Li

a 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.