

# Zedong Peng

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## EDUCATION

**Shanghai Jiao Tong University.** Master of Engineering in Electronic and Information Engineering, 2027.  
**Shanghai Jiao Tong University.** Bachelor of Engineering in Electronic Engineering, 2024.

## ACADEMIC AND PROFESSIONAL EXPERIENCE

**Engineering Intern**, Intel Corporation, Intel Asia Pacific R&D Company (November 2023-July 2024).  
**Exchange Student**, Data Science Institute, Imperial College London (January 2024 - February 2024).  
**Research Assistant**, Cooperative Medianet Innovation Center Shanghai Jiao Tong University (February 2023-July 2024).  
**Research Assistant**, John Hopcroft Center for Computer Science, Shanghai Jiao Tong University (July 2022-July 2024).

## HONORS AND AWARDS

Outstanding Graduate of Shanghai Jiao Tong University, 2024  
2nd prize of the 13th National University Mathematics Competition, 2021  
1st Prize of Shanghai Jiao Tong University "Yunhan Cup" RobotMaster Intramural Competition, 2021  
Liu Yongling Foundation Scholarship, 2021  
Shanghai Jiao Tong University B-class Merit Scholarship, 2021  
Advanced Individual in Social Practice of Shanghai Jiao Tong University, 2021

## PROJECTS

**VR Game "Strang Zoo"** VR & AR design and development practice, CS085 (September 2021-January 2022). Implemented an original VR adventure puzzle game. Tech: Unity3D, C###, Microsoft Virtual Reality.  
**Reliability Assessment and System Optimization of a Multi-Node Sonar System** Modeling and Simulation of Engineering issues, ICE2305 (September 2021-January 2022). This study investigates the relationship between the number of nodes and the operational lifespan of a sonar system, and provides an optimal solution. Tech: MATLAB, Monte Carlo method, Markov chain.  
**Robot Design and Control** Shanghai Jiao Tong University "Yunhan Cup" RobotMaster Intramural Competition (September 2021-January 2022). Designed and fabricated a robot using SolidWorks and laser cutting, with Arduino for electronic control and C programming for motor and servo control. Achieved 1st Prize. Tech: C, Arduino, SolidWorks.  
**Automatic Tracking Camera** Engineering Practice, SI1210 (February 2021-June 2021). Implemented face recognition using the OpenCV library and automatic camera tracking with Raspberry Pi. Tech: Python, Linux, Raspberry Pi.

## PUBLICATIONS

H. Duan, Z. Peng, L. Xiang, Y. Hu and B. Li. "A Verifiable and Privacy-Preserving Federated Learning Training Framework," *IEEE Transactions on Dependable and Secure Computing*, Sept.-Oct. 2024.

## SKILLS SUMMARY

Programming: C, C++, Python, SQL, Verilog, Shell, Docker, MATLAB.

Languages: CET6:481, GERMAN:A1

#### UNIVERSITY SERVICE

Student Representative, Department of Electronic Engineering, Shanghai Jiao Tong University (September 2020-September 2022).

Community Volunteer (January 2021-February 2021).

Leader of Summer Social Practice, Shanghai Jiao Tong University (June 2021-September 2021).