YULIANG FU

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BRIEF BIO

Yuliang Fu is a third-year undergraduate student at Tsinghua University. He is double-majoring in Mathematics and Physics & Electrical Engineering and Automation. Since April 2022, he has been serving as an undergraduate research assistant in Pervasive HCI Lab. at Tsinghua University, supervised by Prof. Yuntao Wang. His current research interest lies in the field of Human-Computer Interaction, Ubiquitous Computing and Mobile Sensing. During his undergraduate study he has been outstanding and has been awarded with multiple awards and fellowships.

EDUCATION

Tsinghua University, Beijing, China   Aug, 2020 – Jul, 2024

BS in Mathematics and Physics + **BSE** in Electrical Engineering and Automation

- **GPA: 3.87/4.0**
- **Secretary** of Students' Science Association, Tsinghua University Weiyang College

Core Courses

- Linear Algebra (4.0/4.0), Introduction to Complex Analysis (4.0/4.0), Probability and Stochastic Processes (4.0/4.0), Fundamentals of Computer Program Design (4.0/4.0),

SCHOLARSHIPS & AWARDS

- **2021 Tsinghua Comprehensive Excellence Award**

  Sponsored by **Scholarship of Weiyang College, Tsinghua University**

- **2021 Tsinghua Innovation Award of Science and Technology**

  Sponsored by **Scholarship of Tsinghua University**

RESEARCH INTEREST

Fields   Human-Computer Interaction, Ubiquitous/Pervasive Computing, Mobile Sensing, IoT

RESEARCH EXPERIENCE

Pervasive HCI Group Tsinghua University, Beijing, China
Department of Computer Science and Technology   *Apr, 2022 – present*
Research Assistant, Advisor: Prof. Yuntao Wang
Project: Acouslink: an acoustic ranging method for home AIoT devices(Ongoing)

- Provide indoor location service utilizing ultrasonic waves
- Calibration-free method with good precision and range
- Suitable for tracking moving objects with high velocities
- Packaged unit, easy to use

SKILLSET

Programming	Python, C/C++, SQL, MATLAB
Embedded System	Nordic nRF52 series, TI MSP430, STM32 series
Hardware Design	Verilog HDL

LANGUAGE SKILLS

Chinese	Mother tongue
English	**TOEFL iBT** 107/120