

# YULIANG FU

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## BRIEF BIO

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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

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**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

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- **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

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

## RESEARCH EXPERIENCE

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**Tsinghua University**, Beijing, China  
*Pervasive HCI Group, 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
- Ad Hoc and Calibration-free method with good precision

## SKILLSET

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<b>Programming</b>	Python, C/C++, SQL, LaTeX
<b>Embedded System</b>	Nordic nRF52 series, TI MSP430, STM32 series

**Hardware Design**      Verilog HDL

## **LANGUAGE SKILLS**

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**Chinese**      Mother tongue

**English**      **TOEFL iBT** 105/120 (Reading 28, Listening 24, Speaking 25, Writing 28)