

# JIANGYIFEI ZHU

[jiangyiz@andrew.cmu.edu](mailto:jiangyiz@andrew.cmu.edu)

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## EDUCATIONS

### Carnegie Mellon University

Pittsburgh, PA

Ph.D. in Electrical and Computer Engineering

May 2029

*Advisors: Justin Chan & Swarun Kumar*

### Carnegie Mellon University

Pittsburgh, PA

Master of Science in Electrical and Computer Engineering, GPA: 3.9/4.0

May 2024

Selected Outperformed Coursework: Wearable Health Technologies, Computer Network, Real-time Embedded System

### University of Massachusetts Amherst

Amherst, MA

Bachelor of Science in Computer Science, GPA: 3.8/4.0, **Dean's List**

February 2022

**Bay State Scholar:** A scholarship worth 50% of tuition

Selected Outperformed Coursework: Human-Computer Interaction, Software Engineering, Algorithms, Advance

Wireless, Networking & Sensing - IoT, Artificial Intelligence, Search Engine, Game Programming

### Lewis & Clark College

Portland, OR

Coursework Completed Toward Bachelor's Degree

September 2017 - May 2019

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## PUBLICATIONS

- **Jiangyifei Zhu**, Kuang Yuan, Akarsh Prabhakara, Yunzhi Li, Gongwei Wang, Kelly Michaelsen, Justin Chan, Swarun Kumar, "**Measuring multi-site pulse transit time with AI-enabled mmWave radars**", *Nature Communications (under review)*
- Yawen Liu, Akarsh Prabhakara, **Jiangyifei Zhu**, Shenyi Qiao, Swarun Kumar, "**Shape-programming Robotic Reflectors for Wireless Networks**", *IEEE ICRA 2025*

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## SKILLS

**Programming Languages:** Python, Matlab, C/C++, Java, Dart, JavaScript, C#

**Software Skills:** Linux, Signal Processing, Machine Learning, Mobile & Web Development, Git, LaTeX

**Hardware Skills:** Arduino, IT mmWave Radar Sensor, IMU, USRP, LoRa

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## TALKS

Guest Lecturer, "Advanced Topics on Wireless Technology" at CMU

Nov 2024

Course: 18-441/18-741 Computer Networks

Guest Presenter, "Detect Like a Superhero: Using Waves to Sense!", at CMU

Apr 2025

K-12 Outreach via CMU Gelfand Center

Guest Lecturer, "Basic Topics in Wireless Sensing and Health", at CMU

Sep 2024

Course: 17320/17720, Machine learning and sensing for healthcare

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## SELECTED VOLUNTEER & LEADERSHIP EXPERIENCES

- Mentor, Peer Mentor Program @ CMU Jan 2024 - May 2024
- Panel Advisor, China Education Symposium (CES) @ Harvard Jan 2024 - Feb 2024
- Mentor, TTT Mentor Program @ MIT October 2021 - January 2022
- President, China Club @ Lewis & Clark College February 2018 - May 2019