

Curriculum Vitae

69 Brown St, Box 4309 | Providence, RI 02912 | Phone: (401) 537-0620

PERSONAL INFORMATION

Wanjia Fu

4th Year Undergraduate Student @ Brown University Advised by George Konidakis and Srinath Sridhar

Email: wanjia_fu@brown.edu

Homepage: <https://wanjia-fu.com/>

Github: <https://github.com/julia-fu0528>

LinkedIn: [linkedin.com/in/wanjiafu](https://www.linkedin.com/in/wanjiafu)

EDUCATION

08/2022 – 05/2026 **Expected Sc.B, Computer Science; A.B in Applied Mathematics**
Brown University, Providence, RI, USA

RESEARCH INTERESTS

My research is centered at the intersection of robotics, computer vision, and machine learning. I am interested in how multimodality in robotics, especially vision and tactile, can improve the robot's understandings of and interactions with both the inherent state and the exterior environment. More specifically, I'm excited with contact-rich dexterous manipulation, dynamic models for robot learning, tactile sensing, and human robot interactions.

RESEARCH

* represents equal contribution

1. **Wanjia Fu***, Hongyu Li*, Ivy X. He, Stefanie Tellex, and Srinath Sridhar. *UniTac: Whole-Robot Touch Sensing Without Tactile Sensors*. Under review.
2. Rao Fu*, Dingxi Zhang*, Alex Jiang, **Wanjia Fu**, Austin Funk, Daniel Ritchie, Srinath Sridhar. *GigaHands: A Massive Annotated Dataset of Bimanual Hand Activities*. Highlight paper accepted by Computer Vision and Pattern Recognition (CVPR) 2025.

AWARDS

10/2025	CRA Outstanding Undergraduate Researcher Awards Computing Research Association
08/2025	Pathways@RSS 2025 Fellowship Robotics: Science and Systems <i>8% acceptance</i>
06/2025	CVPR 2025 Travel Support Award The Computer Vision Foundation
05/2025	Advanced Undergrad Research SPRINT Fellowship Brown University
04/2025	Randy Pausch Undergraduate Research Fellowship Brown University <i>1 recipient/yr</i> First Place Award, 10th Annual Brown CS Research Symposium Brown University, Computer Science Department
01/2024	Undergraduate Teaching and Research Awards (UTRA) Brown University
05/2023	Undergraduate Teaching and Research Awards (UTRA) Brown University

Providence, RI, October 15, 2025

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PRESENTATIONS

1. **Wanjia Fu***, Hongyu Li*, Ivy X. He, Stefanie Tellex, and Srinath Sridhar. *Touch Your Robots Without Tactile Sensors*. Presented at [ICRA 2025 Workshop “How do Robots Care”](#), Atlanta, Georgia, 2025.
2. **Wanjia Fu***, Hongyu Li*, Ivy X. He, Stefanie Tellex, and Srinath Sridhar. *UniTac: Whole-Robot Touch Sensing Without Tactile Sensors*. Presented at [RSS 2025 Workshop on Human-Robot Contact and Manipulation](#), Los Angeles, California, 2025

TEACHING

09/2024 – 12/2024	Head Teaching Assistant Department of Computer Science, Brown University, Providence, RI CSCI 1430 Introduction to Computer Vision
01/2023 – 05/2023	Head Teaching Assistant Department of Computer Science, Brown University, Providence, RI CSCI 1430 Introduction to Computer Vision

PROJECTS

01/2024 – 09/2024	Vibration Haptics: Hand contact detection and localization with IMU Brown Interactive 3D Vision & Learning Lab Advisors: Srinath Sridhar, Krishna Murthy Jatavallabhula Designed portable wrist hardware device containing with IMU to collect hand object contact data
09/2023 – 01/2024	Shaped-Based Skill Transfer by Learning Policy on Object Parts Brown Intelligent Robotics Lab Advisor: George Konidaris Learned latent representations of object parts for mugs to carry out pouring tasks

SKILLS

Technical Skills:	(fluent) Python, HTML, CSS; (experience) Java, C++, C, Typescript, Javascript, WebGL, OpenGL, Golang, React
Language:	Trilingual proficiency in English, Spanish (Awarded C1 by El Instituto Cervantes), Chinese

EXPERIENCE

06/2023 – 08/2023	Software Engineering Intern Brown Visual Computing, Providence, RI, USA Mentor: James Tompkin Online website tutorial on pinhole camera models for computer vision and computer graphics
05/2023 – 06/2023	Product Operation Intern Hydsoft Technology Co. Ltd., Shanghai, China AI customer service based on natural language processing

ACTIVITIES

09/2022 – Current	Co-Secretary Chair; Co-Director; Co-Performance Director Moli East Asian Dance Company, Brown University Teach dances, prepare for annual spring show, organize members, logistics and finance
09/2023 – 05/2024	Club Member Brown IgniteCS, Brown University Designed and developed AI and web development courses to teach at middle schools