Jindan Huang

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161 College Ave, Department of Computer Science, Medford, MA 02155

EDUCATION

Tufts University Medford, MA
Ph.D. in Computer Science May 2025(expected)
Advisor: Dr. Elaine Schaertl Short

Johns Hopkins University Baltimore, MD
M.S.E. in Computer Science, GPA: 3.8/4.0 May 2020
Advisors: Dr. Chien-Ming Huang, Dr. Russell H. Taylor

China Pharmaceutical University Nanjing, China
B.S. in Management Information Systems, GPA: 3.87/4.0 June 2018

ACADEMIC EXPERIENCE

Graduate Research Assistant Sept. 2020 - Present
Tufts Assistive Agent Behavior and Learning Lab Medford, MA
Advisor: Dr. Elaine Schaertl Short

- Research Focuses: Human-Robot Interaction, Assistive Technology

Graduate Research Assistant Apr. 2019 - Aug. 2020
JHU Laboratory for Computational Sensing and Robotics, Intuitive Computing Lab Baltimore, MD
Advisors: Dr. Chien-Ming Huang, Dr. Russell H. Taylor

- Research Focuses: Computer-integrated Surgery, Human-Robot Interaction, Multimodal Interaction

Undergraduate Research Assistant Mar. - June 2018
CPU Department of Information Management and Information Systems Nanjing, China
Advisor: Dr. Jieyu Zhang

- Research Focuses: Medical Image Segmentation, Pulse-coupled Neural Network

Undergraduate Innovative Research Scholar Mar. - June 2017
CPU Engineering Technology Center of Pharmaceutical Research Nanjing, China
Advisor: Dr. Haixiang Wang

- Research Focuses: Molecular Modelling, Virtual Screening

HONORS & AWARDS

- **Stern Endowed Graduate Research Fellowship**, Tufts University 2020-2022
- **Member of Upsilon Pi Epsilon Honor Society** Since 2019
- **Outstanding Graduate**, China Pharmaceutical University 2018
- **Outstanding Student of Jiangsu Province**, Department of Education of Jiangsu Province 2017
- **National Scholarship**, Ministry of Education of the P.R. China 2016-2017
- **First Class Scholarship(Top 3%)**, China Pharmaceutical University 2015-2017

PUBLICATIONS

1. Liu, X., Stiber, M., **Huang, J.**, Ishii, M., Hager, G. D., Taylor, R. H., & Unberath, M. Reconstructing Sinus Anatomy from Endoscopic Video – Towards a Radiation-free Approach for Quantitative Longitudinal Assessment. MICCAI 2020.

TEACHING & OUTREACH

- **Mentor**, JHU Women in Science and Engineering(WISE) Program with Garrison Forest School Fall 2019
- **Teaching Assistant**, JHU EN 601.490/690 Intro to Human-Computer Interaction Fall 2019
- **Volunteer**, The Johns Hopkins Kelly Gynecologic Oncology Service 2019

SKILLS

- **Programming Languages:** Python, Java, Javascript, MATLAB, C++, C#, OCaml, SQL
- **Software:** Robot Operating System (ROS), 3D Slicer, MeshLab, Git, LaTeX, Sketch
- **Packages:** Pytorch, Keras, Tensorflow, OpenCV
- **Knowledge:** Computer-integrated Surgery, Human Robot Interaction, User Research

Last updated: August 1, 2020