CURRICULUM VITAE

Jinghang Li

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EDUCATION

University of Pittsburgh, Pittsburgh, Pennsylvania — August 2021 – May 2026
PhD student in Biomedical Engineering

University of Pittsburgh, Pittsburgh, Pennsylvania — August 2016 – May 2021
B.S. in Biomedical Engineering

Carnegie Mellon University, Pittsburgh, Pennsylvania — August 2020 – December 2022
Non-degree/Visiting Student

Notable Scholastic Awards:

Bioengineering Teaching Assistant of the Year — Spring 2023
Swanson School of Engineering Dean's Honor List — Fall 2017 – 2020
Freshman Engineering Conference Best Paper Award — Spring 2017

RESEARCH INTERESTS

Computer Vision **Neurodegenerative Diseases** **RF Engineering**

PUBLICATIONS AND CONFERENCE PROCEEDINGS

Li, J., Wang, L. Chen, C. Ibrahim, T. Aizenstein, H. Wu, M. "Investigate Sex Dimorphism of Cerebral Myelination Across Lifespan by Leveraging Conditional Variational Autoencoder". MIDL 2023 (Short Paper)

Li, J., Liou, J. Santini, T., Alkateeb, S., Adeyemi, O., Erausquin, G., Garbarino, V., Goss, M., Habes, M., Himali, J., Karmonik, C., Li, K., Masdeu, J., Nair, R., Patel, V., Snitz, B., Aizenstein, H., Wu, M., Bowtell, R., Penny, G., Roman, G., Ganguli, M., Vahidy, F., Girard, T., Jacobs, H., Hosseini, A., Seshadri, S., Ibrahim T. "Investigating white matter hyperintensities in a multicenter COVID-19 study using 7T MRI". AAIC 2023 (Oral presentation)

Li, J., Farhat, N. Berardinelli, J. Aizenstein, H. Kofler, J. Ibrahim, T. "Automatic Alignment of Ex-vivo Brain Pathology to 7T structural MRI". ISMRM 2023. (Abstract)

Li, J., Forry, T. Huan, Y. Ibrahim, T. Wu, M. Aizenstein, H. "7T to 3T domain adaptation in white matter lesion segmentation on FLAIR images using deep learning". ISMRM 2023. (Abstract)

Li, J., Mountz, E. Aizenstein, H. Mizuno, A., Karim, H. "Extent of Dedifferentiation as a Potential Biomarker for Alzheimer's Disease". BMES Annual Conference 2020. (Abstract)

Li, J., Vande Geest, J. "Finite Element Evaluation of Various Stent Mechanical Properties in a Knee Bending Mechanical Environment". BMES Annual Conference 2019. (Abstract)

MENTORSHIP

Principal research mentor for the following undergraduate students:

2021-2023 Yuanzhe Huang (Computer Science, University of Pittsburgh)
2022-2023 Tyler Hustko (Bioengineering, University of Pittsburgh)
2022-2022 Taylor Forry (Neuroscience, Temple University)

RESEARCH EXPERIENCE

Undergraduate Research Internship — Summer 2020 – May 2021
Geriatric Psychiatry Neuroimaging Laboratory – University of Pittsburgh, Pittsburgh, PA

Undergraduate Research Internship Summer 2019
Soft Tissue Biomechanics Laboratory – University of Pittsburgh, Pittsburgh, PA

EMPLOYMENT EXPERIENCE

Manufacturing Co-op May 2018 – December 2019
Zimmer Biomet, Warsaw, IN

RESEARCH AWARD

Swanson School of Engineering Summer Undergraduate Research Internship ($4000) Summer 2020
Swanson School of Engineering Summer Undergraduate Research Internship ($4000) Summer 2019

SKILLS

- **Programming languages**: MATLAB (octave), Python, SIMULINK, C++, HTML, R, Git, LaTeX

CERTIFICATES

- Machine Learning May 2020

– An online non-credit course authorized by Stanford University and offered through Coursera

- Neural Networks and Deep Learning May 2020

– An online non-credit course authorized by Stanford University and offered through Coursera

- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization May 2020

– An online non-credit course authorized by Stanford University and offered through Coursera

AFFILIATIONS

Biomedical Engineering Society, Pittsburgh Chapter 2017 - Present
Triangle Fraternity, Pittsburgh Chapter 2018 - 2021
Phi Eta Sigma Honor Society, Pittsburgh Chapter 2017 - 2021