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