

HAOYANG CHEN

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EDUCATION

University of Southern California

M.S. Computer Science

- GPA 3.68/4.0

Los Angeles, CA
08/2020-present

The Ohio State University

B.S. Computer Science and Engineering

- Selected awards: DEAN LIST (AU16, SP17, AU19, SP20)

Columbus, OH
08/2016-05/2020

ACADEMIC EXPERIENCE

Interactive and Collaborative Autonomous Robotics Lab (Prof. Stefanos Nikolaidis)

Research Assistant, University of Southern California

Human Robot Collaboration

07/2021-present

- Created simulation environments for testing and did testing on real robots.
- Did multi-agents task and motion planning
- Trained neural network and GNN to make the planner learn from previous experience
- Researched on how collaboration strategies can be helpful in human robot collaboration

Enhancing Neuro Imaging Genetics Through Meta Analysis (Prof. Yolanda Gil)

Research Assistant, University of Southern California

Scientific Discovery in Aging

01/2021-04/2021

- Created WINGS workflow to analyzing correlation among genes, sleep and aging automatically
- Analyzed Drosophila data using Python, Plink and GWAS scan
- Adjusted p-values for SNPs and do visualization
- Created the Aging website (<https://sites.google.com/usc.edu/scientificdiscoveryinaging/home?authuser=3>)

NeuroDISK

05/2021-present

- Created WINGS workflow and implement neuroimaging meta-analysis methods
- Did neuroimaging data extraction and cleaning
- Predicting brain age via deep learning
- Created the NeuroDISK website (<https://knowledgecaptureanddiscovery.github.io/NeuroDISK/>)

WORK EXPERIENCE

The Ohio State University

Grader, Department of Computer Science and Engineering

Columbus, OH
01/2020-05/2020

- Grader of Computer Animation
- Assisted to grade student's projects and assignments

Beijing GE Hualun Medical Equipment Company Limited

Intern

Beijing, China
05/2017-07/2017

- Labeled X-ray image for the machine learning research
- Did data analysis on X-ray image data
- Gathered data for the Healthcare

LEADERSHIP AND COMMUNITY ACTIVITIES

DataFest Competition of The Ohio State University

Team Leader

Columbus, OH
04/2019

- Predicted an athlete's performance in future games by analyzing a large amount of the athletes of data
- Made graphs for each subitem to get insights into their relationship with the athlete's daily load
- Won the Best Visualization Award

Dance of the Soul, Dance Illumination, Inc.

Treasurer

Columbus, OH
05/2017-12/2017

Vice Chairman of Marketing

11/2017 – Present

- Gave dancing performance for the public on stage
- Provided instruction about Jazz skills to other members in the group
- Worked with dancers to plan out complex movements and steps on a stage during a show
- Won the Award of Senior Dancer in December 2016