

Shangyang Min

shangyangmin.com | (+1) 419-233-0178 | shangyang_min@brown.edu

EDUCATION

-
- | | |
|--|--------------------------|
| Brown University Master of Science (Sc.M.) in Computer Science | 09/2023 – Current |
| ➤ GPA: 4.0/4.0 | |
| ➤ Artificial Intelligence/Machine Learning | |
| Michigan State University BSc in Computer Science Engineering with high Honor | 08/2019 – 05/2023 |
| ➤ GPA: 3.95/4.0 | |
| ➤ Minor in Game Design and Development Program | |

SKILLS

-
- **Research Areas:** Deep Learning, Biomedical Engineering, Vision
 - **Additional Interests & Proficiencies:** Multimodal, LLM, HCI, Game Dev, Neuroscience

EXPERIENCE

-
- | | |
|---|--------------------------|
| Lee Lab Research Assistant | 09/2024 - Present |
| ➤ Conducting research on Brain-Computer Interface integration with gaming. | |
| ➤ Developed a real-time BCI data processing system using Unity, working on enable natural control of avatars through EEG and vision models. | |
| Human Augmentation and Artificial Intelligence Laboratory Research Assistant | 05/2022 – 08/2023 |
| ➤ Developed Feature Imitating Networks for biomedical imaging tasks. | |
| ➤ Led the project and mentored undergraduates in research. | |
| Henry Ford Health System Research Assistant | 09/2022 – 09/2023 |
| ➤ Collaborated on a funded research program between Henry Ford Health System and Michigan State University. | |
| ➤ Conducted machine learning analysis on tumor detection and radiomics features from DCE-MRI scans. | |

PROJECTS

-
- | | |
|---|--------------------------|
| Game Development Studio | 09/2021 – 05/2023 |
| ➤ Developed game mechanics and AI behaviors for various game projects | |
| ➤ Gained professional development experience under mentorship from Iron Galaxy Studio professionals. | |
| ML/DL Research Projects | |
| ➤ Multiple recent or under review deep learning research projects across diverse domains including vision, LLM, etc. can be viewed in my project webpage. | |

PUBLICATIONS

-
- **S. Min, H. B. Ebadian, T. Alhanai and M. M. Ghassemi, *Feature Imitating Networks Enhance the Performance, Reliability and Speed of Deep Learning on Biomedical Image Processing Tasks*, 2024 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), Orlando, FL, USA, 2024, pp. 1-5, doi: 10.1109/EMBC53108.2024.10782373.**