



Curriculum Vita December 2025

Instructor: Kaoning Hu, Associate Professor
Academic Department: Computer Science and Information Systems

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EDUCATION

Doctor of Philosophy, Computer Science

State University of New York at Binghamton, Binghamton, New York, 2015

Master of Science, Electronics and Information Engineering

Huazhong University of Science & Technology, Wuhan, China, 2008

Bachelor of Science, Electronics and Information Engineering

Huazhong University of Science & Technology, Wuhan, China, 2006

TEACHING EXPERIENCE

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|----------------------|---|
| Aug 2024 – Present, | Associate Professor, East Texas A&M University (Texas A&M University – Commerce) |
| Aug 2017 – Aug 2024, | Assistant Professor, Texas A&M University – Commerce |
| Aug 2016 – Aug 2017, | Assistant Professor, Webster University |
| Aug 2015 – Aug 2016, | Assistant Professor, University of Central Missouri |

PUBLICATIONS

- Dongeun Lee, Omar El Ariss, **Kaoning Hu**, Kibum Kwon and Jonathan Tapia. "Fostering Computational Thinking in CS1 Through Multilingual Game Development". Innovation and Technology in Computer Science Education (ITiCSE), **2025**
- Dongeun Lee, Omar El Ariss, **Kaoning Hu** and Kibum Kwon. "Multilingual Game Programming to Enhance Computational Thinking in CS0". Innovation and Technology in Computer Science Education (ITiCSE), **2025**
- Dongeun Lee, **Kaoning Hu**, Omar El Ariss and Kibum Kwon. "Multiple Programming Languages for Improving Computational Thinking in CS1". Special Interest Group Computer Science Education - Technical Symposium (SIGCSE TS), **2023**.

- Omar El Ariss and **Kaoning Hu**. "ResNet-based Parkinson's Disease Classification." IEEE Transactions on Artificial Intelligence (IEEE TAI), **2022**
- **Kaoning Hu**, Dongeun Lee, and Tianyang Wang. "Single Image Super-Resolution Using Vectorization and Texture Synthesis." 2021 the 16th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISAPP), **2021**
- **Kaoning Hu**, Lijun Yin, and Tianyang Wang. "Temporal Interframe Pattern Analysis for Static and Dynamic Hand Gesture Recognition." 2019 IEEE International Conference on Image Processing (ICIP). IEEE, **2019**.
- Tianyang Wang, Jun Huan, Bo Li, and **Kaoning Hu**. "Rethink Gaussian Denoising Prior for Real-world Image Denoising." 2019 IEEE 31st International Conference on Tools with Artificial Intelligence (ICTAI). IEEE, **2019**.
- Urcun Tanik, Sang C. Suh, Abdullah Arslan, **Kaoning Hu**, Hemanth Bandi. "International Convergence on the Transdisciplinary Resource Correlation Platform". Society of Design and Process Science (SDPS) **2017**.
- Tianyang Wang, Mingxuan Sun, and **Kaoning Hu**. "Dilated Residual Network for Image Denoising." Accepted by IEEE International Conference on Tools with Artificial Intelligence (ICTAI), **2017**.

RESEARCH GRANTS AND AWARDS

Sept 2020 – August 2024, "Multilingual Computational Thinking: Teaching Introductory Programming Classes Through Low-Level and High-Level Programming Languages", as Co-PI with Omar El Ariss and Dongeun Lee. \$300,000. Funded by NSF IUSE (National Science Foundation, Improving Undergraduate STEM Education).