

# CEN WANG

Room 254, 140 Governors Dr, Amherst, MA 01003  
cenwang@umass.edu | (617) 650-8462 | <https://cenwangumass.github.io/>

## RESEARCH INTERESTS

---

- **AI for simulation:** application of artificial intelligence and machine learning techniques to automated creation of simulation models and enhancement of simulation quality
- **Systems for simulation:** design and development of simulation runtime systems that transparently improve simulation performance
- **Simulation application:** improvement of real-world systems in areas such as healthcare, logistics, finance, etc.

## EDUCATION

---

### University of Massachusetts Amherst

Ph.D. student in Computer Science  
Advisor: Peter J. Haas  
GPA: 4.0/4.0

Amherst, MA  
Expected May 2024

### University of Massachusetts Amherst

M.S. in Computer Science  
GPA: 4.0/4.0

Amherst, MA  
May 2019

### Shanghai Jiao Tong University

B.S.E. in Aeronautics and Astronautics Engineering  
Thesis: Vision-based Indoor Positioning Algorithm for Quadrotors  
Advisor: Shiqian Liu  
GPA: 3.3/4.0

Shanghai, China  
June 2015

## PUBLICATIONS

---

### Refereed Conference Proceedings Papers

1. NIM: Modeling and generation of simulation inputs via generative neural networks. **W. Cen**, E. A. Herbert, P. J. Haas. Proc. 2020 Winter Simulation Conference, to appear.
2. NIM: Generative Neural Networks for Simulation Input Modeling (Extended Abstract and Poster). **W. Cen**, E. A. Herbert, P.J. Haas. 2019 Winter Simul. Conf., National Harbor, MD, December, 2019.
3. NIM: Generative Neural Networks for Modeling and Generation of Simulation Inputs. E. A. Herbert, **W. Cen**, P.J. Haas. 2019 Summer Simul. Conf., Berlin, July, 2019.

