

Haiyu Mao

<https://hybol1993.github.io/>

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EDUCATION

- **Tsinghua University** Beijing, China
Ph.D. of Computer Science and Technology; Advisor: Jiwu Shu; GPA: 4.00 Aug. 2015 – July. 2020
- **University of Florida** Florida, USA
Visiting Scholar of Electronic and Computer Engineering; Advisor: Tao Li Oct. 2017 – May. 2019
- **Northeastern University** Shenyang, China
Bachelor of Software Engineering; GPA: 90/100 Aug. 2011 – July. 2015

PUBLICATIONS

- **Haiyu Mao**, Mingcong Song, Tao Li, Yuting Dai, and Jiwu Shu.
"LerGAN: A Zero-Free, Low Data Movement and PIM-Based GAN Architecture." In 2018 51st Annual IEEE/ACM International Symposium on Microarchitecture (**MICRO 2018**), pp. 669-681. IEEE.
- **Haiyu Mao**, Xian Zhang, Guangyu Sun, and Jiwu Shu.
"Protect non-volatile memory from wear-out attack based on timing difference of row buffer hit/miss." In Proceedings of the Conference on Design, Automation Test in Europe (**DATE 2017**), pp. 1627-1630. European Design and Automation Association.
- **Haiyu Mao**, Chao Zhang, Guangyu Sun, and Jiwu Shu.
"Exploring data placement in racetrack memory based scratchpad memory." In 2015 IEEE Non-Volatile Memory System and Applications Symposium (**NVMSA 2015**), pp. 1-5. IEEE.

PROJECTS

SELECTED AWARDS

- Comprehensive Secondary Scholarship 2017
- Guanghua Scholarship 2016
- Scholarship Provided by The Mayor of Shenyang (**6 in the whole university**) 2015
- Top 10 Excellent Undergraduates of Northeastern University (**10 in the whole university**) 2014
- Outstanding Undergraduate in Shenyang (**0.26%**) 2014
- Outstanding Student Pacesetter in Northeastern University (**0.5%**) 2012, 2013, 2014
- National Scholarship in China (**1%**) 2012, 2013, 2014

PROGRAMMING SKILLS

- **Programming Languages** Proficient: C, C++, Java
Used: Javascript, Python, GO, MPI, OpenMP, CUDA, Matlab
- **Frameworks**: Caffe, TensorFlow
- **Simulator**: Gem5, DRAMSim, NVSim, NVmain, CACTI, Destiny