Anhong He

Personal Data

Date & country of birth	September 18, 1986, China
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Education

July 2015 Master of Electrical & Computer Engineering in **Syracuse University**
Department of Electrical Engineering and Computer Science
Gpa: 3.92/4.00

July 2010 Bachelor of Automation in **University of Science and Technology of China**
School of Information Science and Technology
Gpa: 3.81/4.30

Work Experience

- Principal Software Engineer, Cadence Design Systems, Inc., 2015 - present

  Work on Palladium Z1 enterprise emulation platform for hardware-system design and verification, to help integrate, verify, and implement complex digital SOC's. Maintain source code for compatibility and enhancement. Outstanding projects:

  - fastDownload feature for giant designs
  - high performance clocks control for INTEL infiniTrace support
  - multi-host DCC unload architecture in MC flow
  - DCC unload enhancement by IOP xor-compression algorithm

- Teaching assistant for Digital Signal Processing, Syracuse University, 2014 - 2015

  Lectured two recitation classes each week. Taught undergraduate students Matlab programming fundamentals and mathematics involved in digital signal processing, lectured complementary materials to regular classes, and explained solutions to homework assignments and exam problems.

- Research assistant for genome data processing, Syracuse University, 2012 - 2014

  Conducted research on developing statistical learning approaches to handle high-dimensional data mining problems and designed computationally efficient algorithms to solve large-scale bioinformatics problems. Supervisor: Yingbin Liang.

Computer Skills

Softwares:	Linux, git, perforce, gcc, gdb
Libraries:	asio, OpenGL, SDL2, FLTK, theron, sol2
Programming:	C/C++17, shell, python, lua, matlab, assembly language

Publication

Anhong He, Benika Hall, Jia Wen, Yingbin Liang, Xinghua Shi. Sequential parallel LASSO models for eQTL analysis. *Proceedings of the 6th ACM Conference on Bioinformatics, Computational Biology and Health Informatics*, Atlanta, GA, USA, September 2015