

Haoyang Yu

<http://www.linkedin.com/pub/haoyang-yu/83/1a5/832>

haoyang.yu@rutgers.edu

<http://haoyangyu.github.io>

Education

- Rutgers, the State University of New Jersey NEW BRUNSWICK, NJ
Masters of Science in Computer Engineering • GPA: 3.83/4.00 2013 – May '15 (expected)
Relevant course work: Computer Architecture(A), Embedded System(A), and Software Engineering(B+)
- University of Electronic Science and Technology of China CHENGDU, SICHUAN
Bachelor of Science in Electrical Engineering • GPA: 3.82/4.00 2010 – May '14 (expected)
Relevant course work: Calculus, Linear Algebra, Probability Theory & Mathematical Statistics, Function of Complex Variables, Physics, C Programming, Signal & System, Analog Circuit, Digital Logic Design, and Principle of Microcomputer & Interface Technology

Employment Interest

UESTC & Rutgers University has allowed me to sharpen my mathematics & engineering skills in these areas: Mathematics Modeling, FPGAs, and Computer Architecture. I have been a lecturer and tutor for freshmen, and am willing to relocate for a challenging internship.

Skills & Projects

- Programming Languages:** Matlab – 2yrs, C, C++ – 1yr, \LaTeX , HTML, CSS – 1yr, Java, VHDL, Verilog
- Embedded Systems:** Altera Cyclone FPGA
- Project Portfolio:** 2013 MCM Mathematics Modeling, Twitter Data Analysis, Camera Tracking, and more at <http://haoyangyu.github.io>

Experience

- Rutgers University Electrical & Computer Engineering Department PISCATAWAY, NJ
Team Member Sept '13 – Dec '13
ECE 492/519: Hardware/Software Design of Embedded Systems • Developed the system that enables a moving camera to track a moving object in real time. • Had a camera mounted to a swivel using two servo motors to allow for the direction of camera to be controlled. • The camera data will be read into the FPGA board and some basic object recognition algorithm will be used to identify an some object and determine if the camera needs to be moved to keep the object in the field of vision.
- Rutgers University Electrical & Computer Engineering Department PISCATAWAY, NJ
Team Member Sept '13 – Dec '13
16:332:567 Software Engineering I • Did data mining of online information(Tweets) about exercising activity of people. • Built the local website to show the results and do data visualizaiton, using HTML, CSS, Javascript, PHP, Mysql, MongoDB • Used the Statistics Method & Map-Reduce to extract information
- MCM: The Mathematical Contest in Modeling CHENGDU, SICHUAN
Team Member Dec '12 – Feb '13
• Established grey prediction model, fuzzy mathematics model to make Best Water Strategy • Used Latex to write the paper of MCM/ICM • Used the Matlab to realize algorithms

Awards and Achievements

- Honorable Mention, MCM(April '13) • *Twice*, The First-Class Scholarship of UESTC(Oct '11, Oct '12)
• The Second-Class Scholarship of UESTC(Oct '13)
• Second-Level Certificate for National Computer of C Programming(Aug '11) • *Twice*, Excellent Student Cadre of UESTC(Oct '11, Oct '12) • National Honorary Certificate of Volunteering(Oct '11)

Extracurricular Activities

- Team Leader*, National Volunteering Teaching Program (May '11 – July '11) • *Ranked Third*, the 4*100 in Sports Meeting(Sept '12) • *Ranked Fourth*, the High Jump in Sports Meeting(Sept '11) • *Ranked Fifth*, the 110m Hurdle in Sports Meeting(Sept '12) • *Core Member*, Basketball Team of EE Department(Sept '10 – June '13)