

# Haoyang Yu

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

[haoyang.yu@rutgers.edu](mailto:haoyang.yu@rutgers.edu)

<http://haoyangyu.github.io>

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## 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
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## 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.*

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## Skills & Projects

- Programming Languages:** Matlab – 2yrs, C, C++ – 1yr, L<sup>A</sup>T<sub>E</sub>X, HTML, CSS – 1yr, Java, VHDL, Verilog
- Project Portfolio:** 2013 MCM Mathematics Modeling, Twitter Data Analysis, Camera Tracking, and more at <http://haoyangyu.github.io>
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## Experience

- Rutgers University Electrical & Computer Engineering Department PISCATAWAY, NJ  
**Team Member** Sept '13 – Dec '13  
**16:332:492/519: Hardware/Software Design of Embedded Systems Altera Cyclone FPGA** • 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.
- 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 visualization, 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
- China Youth Development Foundation – Volunteer Program GUANGYUAN, SICHUAN  
**Team Leader** June '11 – July '11  
**Volunteering Teaching** • Corporated with *Nine* volunteers & Assigned pedagogical tasks to volunteers • Taught basic computer lessons & Played games with kids to make them happy
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## 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)
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