Xintong Ma

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EDUCATION

- **Rice University**
  Aug.2015-Jan.2018
- Master of Science, Computer Science Engineering
- GPA: 3.71
- **Harbin Institute of Technology**   Aug. 2011-
  Jul.2015
- Bachelor of Science, Electrical Engineering

PRIMARY COURSES

- Web Development and Design, Object Oriented Program & Design,Statistical Machine Learning, Database Systems, Fluid MECH & Transport PROCS, Dynamics & Control of MECH SYS, Introduction to Aeronautics, Finite Element Analysis, Convective Heat Transfer, Research and Thesis

ACADEMIC RESEARCH AND INTERNSHIP

Social Network App (http://nosy-destruction.surge.sh)   Aug. 2016-Jan.2017

- Fully functional social network frontend app with Bootstrap and Angular.js
- Implement backend APIs using Express.js
- Conduct unit test using Jasmine and Karma, end-to-end test using Protractor
- Implement Third-Party Authentication by Facebook

P2P Based Online Game and Chatroom Application (Java)   Dec.2016-Feb.2017

- Build a peer-to-peer based online NASA map game and chatroom application
- Use Java RMI to call remote machine in order to implement peer to peer connection
- Embed NASA world wind API to support map game
- Implement Standard MVC construction
- Be able to accept at least 20 player connections from independently implemented clients via internet Applied real time game design

The Design of Modular Robot Control Card   Sep. 2013-Jan. 2014

- Designed the control mode of serve motor; and programmed the software by using C programming language in the ICCAVR programming environment
- Summarized and compared the published studies on robot design, motor and motor control, and the working principle of ATMEGA128 single chip microcomputer
- Designed the hardware circuit; and manufactured the PCB circuit board

PUBLICATIONS

Feb.2013-Dec.2014

- Jinling Zhao, Xintong Ma, "Research of Wireless Sensor Network Node Routing Algorithm Based on Energy Optimization" , Computer Simulation, 2013,30(10) : 325-328
- Xintong Ma, Yong Jiang, "Design of the Auto Monitoring System of Drilling Electrical Parameters", Techniques of Automation and Applications, 2014, 33(8) : 87-92

AWARDS AND DISTINCTIONS

- Society Practice Award
- Academic Progress Award
- Second Grade Scholarship (2 Semesters)
- Third Grade Scholarship (2 Semesters)

ON-CAMPUS WORK AND SERVICE WORK

Servery Cashier, Rice University   Jan 2017-present
Student Worker
- Attend and contribute to meetings related to University Servery improvement
- Perform operation and provide administrative support for other staff

Mechanical Engineering Department, Rice Jan 2016-present
- Teaching Assistant
- Partnered with a faculty member and assisted with students' homework by designing study plans for   students
- Hold TA sessions to provide instruction for students

SKILLS

- Python HTML5 CSS Node.js JavaScript Bootstrap Express.js Jasmine frame Java GitHub WEB SQL C C++ MATLAB Ruby AngularJS