Yihan Zhang

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EDUCATION   *College of Computer Science and Engineering, Northeastern University(NEU)*

- Major: Computer Science and Technology
- Cumulative GPA: 4.019/5
- Ranking: 3/253
- Major Courses: Calculus I and II, Linear Algebra, Probability Theory, Discrete Mathematics I and II, Elementary Programming for C Language, Object-Oriented Programming for C++ Language, Programming for Assembly Language, Programming for Java Language, Physics(bilingual) I and II, Circuit Principle, Electronics, Data Structure, Numerical Analysis, Computation Theory, Algorithm Design and Analysis, Computer Organization, Compiler Principle, Interface Technology, Computer Graphics, Computer Network, Artificial Intelligence, Software Engineering, Introduction to Information Security, Introduction to Operations Research, Principles of Database, Operating System, Computer Architecture, Analysis of Linux Operating Systems, etc.
- Non-enrolled Courses: Functional Analysis, Topological Degree Theory, Ordinary Differential Equantions, Partial Differential Equations, Modern Algebra, Theory of Functions of a Real Variable, Topology, etc.

PROJECTS   *The 8th Collegiate Innovation Training Plan Project*

- Project Name: Aerial Shepherd: Synergic Control for Quadrotor and Multi-Ground-Robot
- Project Manager: Yihan Zhang
- Project Instructor: Yunzhou Zhang

PUBLICATIONS
- Yunzhou Zhang, Yihan Zhang, Xiang Mu, and Yuxi Wang. Pose Control of Quadrotor Unmanned Aerial Vehicle Based on Double Filters. *IEEE-CYBER 2015*

HONORS AND AWARDS
- Third Prize for 2013 National English Contest for College Students   05/2013
- First Prize for Excellent Student of NEU in the First Semester of 2012-2013 Academic Year   05/2013
- Second Prize for Excellent Student of NEU in the Second Semester of 2012-2013 Academic Year   11/2013
- Third Prize for Preliminary Contest, First Prize in Liaoning Province for the 5th National Mathematics Contest for College Students(Non-Mathematics Major) 11-12/2013
- National Scholarship for 2012-2013 Academic Year   11/2013
- Excellent Student of Northeastern University   12/2013

- First Prize for Excellent Student of NEU in the First Semester of 2013-2014 Academic Year   05/2014
- Best System Control Award and Best Mission Planning Award for International Aerial Robotics Competition(IARC)   08/2014
- Second Prize for Excellent Student of NEU in the Second Semester of 2013-2014 Academic Year   11/2014
- National Scholarship for 2013-2014 Academic Year   11/2014
- Excellent Student of Northeastern University   12/2014
- Invited to give a presentation at IEEE-CYBER 2015   03/2015
- Second Prize for Excellent Student of NEU in the Second Semester of 2014-2015 Academic Year   09/2015
- National Scholarship for 2014-2015 Academic Year   10/2015
- Second Prize for Excellent Student of NEU in the Second Semester of 2014-2015 Academic Year   04/2016

LANGUAGE   *English*
- CET4: 644   06/2013
- CET6: 572   12/2013
- TOEFL: 96(Reading 28, Listening 21, Speaking 20, Writing 27)   11/2014
- GRE: Verbal Reasoning 152, Quantitative Reasoning 170, Analytical Writing 3 05/2015

SKILLS
- *Programming Language*: C++, C, 8086 ASM, Java, LaTeX
- *Operating System*: Ubuntu, Windows, ROS
- *Platforms and Frameworks*: Qt, OpenCV, Java SSH
- *Tools*: Sublime Text, Qt Creator, Texmaker, Git, Bitbucket, SmartGit, Terminator, Eclipse, Tomcat
- *Hobbies*: Traditional Chinese Calligraphy, Sketch, Western Literature, History of Modern Art

FIELDS OF INTEREST
- Pure Mathematics
- Theoretical Computer Science