

# Yihan Zhang

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## EDUCATION

*B.Eng. 09/2012-06/2016 at College of Computer Science and Engineering, Northeastern University(NEU), Shengyang, China*

- 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: Theory of Functions of a Real Variable, Functional Analysis, Topological Degree Theory, Ordinary Differential Equations, Partial Differential Equations, Modern Methods in Partial Differential Equations, Modern Algebra, etc.

*Ph.D. 08/2016-present at Faculty of Engineering, The Chinese University of Hong Kong(CUHK), Hong Kong, under supervision of Prof. Shengyu Zhang*

- Major: Theory, Computer Science and Engineering

## 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

	<ul style="list-style-type: none"> <li>• 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</li> <li>• National Scholarship for 2012-2013 Academic Year 11/2013</li> <li>• Excellent Student of Northeastern University 12/2013</li> <li>• First Prize for Excellent Student of NEU in the First Semester of 2013-2014 Academic Year 05/2014</li> <li>• Best System Control Award and Best Mission Planning Award for International Aerial Robotics Competition(IARC) 08/2014</li> <li>• Second Prize for Excellent Student of NEU in the Second Semester of 2013-2014 Academic Year 11/2014</li> <li>• National Scholarship for 2013-2014 Academic Year 11/2014</li> <li>• Excellent Student of Northeastern University 12/2014</li> <li>• Second Prize for Excellent Student of NEU for 2014-2015 Academic Year 09/2015</li> <li>• National Scholarship for 2014-2015 Academic Year 10/2015</li> <li>• Second Prize for Excellent Student of NEU for 2015-2016 Academic Year 04/2016</li> <li>• Outstanding Graduate of NEU 06/2016</li> </ul>
<b>ACADEMIC ACTIVITIES</b>	<ul style="list-style-type: none"> <li>• Presentation at IEEE-CYBER 2015, Shenyang 03/2015</li> <li>• Shanghai Theory Day 2016, Shanghai 06/2016</li> <li>• School of Mathematical Sciences of Fudan University 2016 Summer School on Mathematics(Algebra and Number Theory, Homotopy Theory and Its Applications, Brownian Motions and Energy Forms) 07/2016</li> </ul>
<b>LANGUAGE</b>	<i>English</i> <ul style="list-style-type: none"> <li>• CET4: 644 06/2013</li> <li>• CET6: 572 12/2013</li> <li>• TOEFL: 96(Reading 28, Listening 21, Speaking 20, Writing 27) 11/2014</li> <li>• GRE: Verbal Reasoning 152, Quantitative Reasoning 170, Analytical Writing 3 05/2015</li> </ul>
<b>SKILLS</b>	<ul style="list-style-type: none"> <li>• <i>Programming Language</i>: C++, C, 8086 ASM, Java, <math>\text{\LaTeX}</math></li> <li>• <i>Operating System</i>: Ubuntu, Windows, ROS</li> <li>• <i>Platforms and Frameworks</i>: Qt, OpenCV, Java SSH</li> <li>• <i>Tools</i>: Sublime Text, Qt Creator, Texmaker, Git, Bitbucket, SmartGit, Terminator, Eclipse, Tomcat</li> <li>• <i>Hobbies</i>: Traditional Chinese Calligraphy, Sketch, Western Literature, History of Modern Art</li> </ul>
<b>FIELDS OF INTEREST</b>	<ul style="list-style-type: none"> <li>• Pure Mathematics</li> <li>• Theoretical Computer Science</li> </ul>