

Dear Sir or Madam,

I'm submitting an application for the Graduate Assistant opening in Center for Residence Life. Based on my past experience, I believe I am a strong candidate for the position.

**YOUR NEEDS**

Computer Science desired

Enrolled in a graduate program at RIT

Proficiency in developing websites and managing information systems

Experience with website programming and web/database development using HTML, PHP, MySQL, CSS, JavaScript, and Version Control

**MY QUALIFICATION**

CS master transferred from Dartmouth College

Enroll in Fall 2013 CS Master program

Internship experience developing web application based on HTML, CSS, Javascript, AJAX, C#, SQL

Hand-on experience building web application based on HTML, PHP and MySQL

I look forward to discussing my qualifications further and can be reached by email at [zhipengcollege@gmail.com](mailto:zhipengcollege@gmail.com)

Thank you so much for your time.

Bests,  
Zhipeng Hu

# ZHIPENG HU

(603) 892-6140  
zhipengcollege@gmail.com

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## EDUCATION

- **Rochester Institute of Technology** August. 2013 - Current  
M.Sc. in Computer Science with merit-based scholarship from university
  - **Dartmouth College** Sept. 2011 - April 2013  
M.Sc. in Computer Science with tuition scholarship from college  
Coursework in algorithm, robotics, database, machine learning, computer vision, etc
  - **Beijing University of Technology** Completed: July 2010  
B. Eng. in Software Engineering  
Graduate with High Honor  
Academic Scholarship for 3 consecutive years, Top 5%
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## EXPERIENCE

- **Web Developer** Jan. 2012 - Feb 2013  
Database System Side Project
    - Implemented an online ticket reservation system for Treetop Airlines
    - Designed and loaded the database to manage customer reservations, flights status, seat assignments and the schedule and routing of various flights
    - Built a web-based interface and front-end to the database in PHP and HTML
  - **Software Developer** Oct. 2009 - June 2011  
Embedded Software and System Institute, Beijing
    - Became the first team building real-time firewall application based on Xilinx Virtex-5 platform
    - Developed a robust stateful firewall software in C that can efficiently defend against various network attack
    - Implemented a secured logging system that aids monitoring network traffic in Linux
    - Designed a proc file interface to make possible dynamic client configuration
  - **Software Engineer Intern** August. 2009 - Oct. 2009  
ChinaSoft International  
Excellent Intern Award Top 3%
    - Implemented a web-based student information system for ChinaSoft International Training Center
    - Designed and styled front-end webpages with three teammates using HTML/CSS/Javascript/
    - Implemented workflow engine and its access to backend MS SQL server using C#
    - Conducted software testing (white box, black box, unit) on the system
  - **Software Developer** June 2006 - Apr. 2007  
Capital Normal University, Beijing  
Silver Medal in the 25th Beijing Science and Technology Innovation Contest
    - Designed a clinical information system in VC++ for Traditional Chinese Medicine practitioners
    - Collaborated with hundreds physicians from hospitals on collecting data
    - Devised and implemented a data mining algorithm to perform quantitative analysis
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## THESIS & PUBLICATIONS

- Zhipeng Hu, Jian He. "An Embedded Firewall Based on Virtex 5-LX110T FPGA", ICCEE 2010, pp. 311-315
  - Zhipeng Hu. "The Design and Implementation of Embedded Firewall Software Based on Netfilter", Beijing University of Technology, 2010, Best Graduate Thesis
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## SKILLS

- Proficiency with C/C++, Python, .Net, PHP, HTML, CSS, Javascript, XML, Visual C++, Matlab, SQL
- Strong working knowledge of Linux/Windows
- Solid background in Software Design Pattern, Object-Oriented Design, Real-time UML and Relational Database

# Tricol Clean, Inc.

2119 SE Columbia Way, Vancouver WA 98660

Phone: 360-329-4129

<http://www.tricol.us>

April 8, 2013

To Whom It May Concern,

As an alumni graduated from R.I.T. almost twenty years (Electrical Engineering 1994), I deem it a great pleasure to write this letter of recommendation for Mr. Hu to support his application for prestigious graduate program in our university.

Mr. Hu has caught my eyes since I attended ICCEE 2010 conference in Chengdu. His excellent presentation and consistent improvement on his work totally impressed me. Being his project supervisor afterwards got me to know him more.

Mr. Hu is a young gentleman, who treats every piece of his work diligently and strictly. He always fights hard to achieve his goals. During his project, he worked as a team leader of a group of five. His strong motivation and team spirit inspired everyone running for the destination. Moving along the project, when there are brick walls blocking the way, he often asks for my advice about his thinking and concerns. The greatest thing about him is, which I must mention, none of any brick walls could stop him from reaching his goals. He would always come up with different opinions and creative ideas to overcome difficulties and promote the project to a new stage.

Judging by his great performance and motivation, I am convinced that Mr. Hu has potential for being a productive researcher. I therefore unreservedly offer him my recommendation. Any assistance you could render to his application for admission will be fully appreciated.

Sincerely,



Wei Wang, CEO  
Tricol Clean, Inc.  
2119 SE Columbia Way  
Vancouver, WA 98661

Dear Sir or Madam,

It is my great pleasure to recommend Hu Zhipeng, one my best students, as a worthy candidate for admission to your esteemed university for graduate study. Having been his teacher and research supervisor for nearly two years, I deeply know his personality and academic potential. I hope my unreserved recommendation would be helpful to his admission.

I met Hu two years ago when I taught Software Process Improvement (SPI). This course was rather abstract, but Hu was one of the few students that can catch my pace. He showed a strong ability to apply his theoretical knowledge when he led a team to work on a course project. He has done a great number of data reading and a lot of research, which made him quite professional working on the project. Not surprisingly, he got A at the end of the semester, which was the highest score in my class.

Impressed by his strong academic capability, I invited him to participate in the Golden Shield Firewall at the beginning of his senior year. The project is a research program mainly for graduates, and partly supported by Beijing Natural Science Foundation. During the project, He has shown great understanding of the technology and profession background. Finally he won high praises for his robust stateful inspection module. His graduation thesis based on this project was recommended as Best Graduate Thesis at the School of Software Engineering. Considering his valuable work, I assisted him in publishing a paper on the 3rd International Conference on Computer and Electrical Engineering (ICCEE 2010).

I was delighted when Hu told me about his plan to pursue further education at your esteemed university. I am sure he will make great contributions to your program just as he has done in my laboratory. I hope the above information will help you discern a prospective student and make favorable consideration for him. Please do not hesitate to contact me should you have any questions.

Sincerely,

Jian He  
Embedded Software and Systems Institute,  
School of Software Engineering, Beijing University of Technology

Dear ZHIPENG HU,

University ID 318004323

15 Sachem Circle Unit 1  
West Lebanon, NH 03784

Congratulations!

I am pleased to inform you that the RIT Graduate Admission Committee has granted your request for admission to the **MS Computer Science** program Fall 2013(August 18, 2013 start). Additional questions regarding your admission decision should be directed to Hans-Peter Bischof the MS CS Graduate Program Director [hpb@cs.rit.edu](mailto:hpb@cs.rit.edu).

An information packet, letter of admission and \$14,894 Merit Scholarship letter (\$7,447 per semester) will be sent to your attention at the above address within the next few days. **Please review the above address for Mail Delivery.**

RIT requires official or certified true copies *in the original language* of your Degree Certificate and Diploma from **Beijing University of Technology** to confirm that you have been awarded a Bachelor degree.

We will require the following documentation to process your Fall 2013 I-20 Certificate of Eligibility:

**SEVIS Transfer to RIT** form completed by Dartmouth College when you are released to RIT  
<http://www.rit.edu/studentaffairs/iss/forms/Grad%20SEVIS%20I-20%20Transfer%20to%20RIT.pdf>

Please send additional documents to:

RIT GRADUATE ENROLLMENT SERVICES

Bausch and Lomb Center

58 Lomb Memorial Drive

Rochester, New York 14623-5604

Sincerely,

Ann Cordy

Assistant Director Graduate Enrollment Services

[amcrpt@rit.edu](mailto:amcrpt@rit.edu)