

Highlight of Skills

- **Theoretical Computer Science Knowledge:** Proficient in algorithms, data structures and database; Also experienced with machine learning and big data analysis techniques
- **Technical Skills**
 - **Programming:** Proficient in C/C++, SQL and Matlab; Familiar with Java, Ruby and python
 - **Web Development:** Familiar with web development with Ruby on rails, HTML, CSS, Javascript, MySQL and JDBC; Experienced in both front-end and back-end development
 - **Development Tools:** Proficient in MATLAB, Visual Studio and Xcode; Also familiar with Git, Netbeans, Eclipse, vim and shell scripting
- **Teamwork:** Experienced in diverse groups of people; Teamwork skills demonstrated in multiple projects

Education

- **University of Waterloo** Waterloo, Canada
Master of Math in Computer Science (Full scholarship, GPA: 92.3/100) 2014 - present
 - Relevant courses: Artificial Intelligence, Advanced Algorithms in Bioinformatics, Big Data Quality, Requirements Engineering
- **University of Science and Technology of China** Hefei, China
Bachelor of Engineering in Electrical Engineering (GPA: 86.5/100) 2010 - 2014
 - Relevant courses: Database, Object Oriented Software Design, Data Structures, Computer Networking

Experience

- **Full Stack Web Developer(Part time)** Ontario, Canada
ApplyBoard Jan 2016 - Present
 - Contributed to the development of both back-end and front-end as a full-stack rails developer
 - In charge of user information management in AgileCRM, database migration and administration system design
 - Using Ruby on Rails, Ruby, MySQL, Git/Github, Javascript/Coffeescript, JQuery, CSS, HTML, Linux
 - Visit our website at <http://www.applyboard.com>
- **Graduate Research Assistant** Ontario, Canada
University of Waterloo May 2015 - Present
 - Designed and implemented an innovative algorithm to solve de novo protein sequencing problem
 - Generated near-full length de novo protein sequencing at nearly perfect accuracy
- **Developer and Group Leader** California, U.S.
Global Design Innovation Workshop, Stanford University Sep. 2013 - Jun. 2014
 - Designed and implemented a smart charging system, sponsored by Electric Mobility Norway
 - Implemented a station model using an Arduino microcontroller, an android smartphone application and a program running on a computer calculating the actual power distribution, collaborated with team members
 - Applied the whole design innovation process and presented the project on Stanford Design eXperience Fair

Notable Projects

- **A Review of Requirement Engineering For User Interface Design** University of Waterloo
Advanced Topics in Software Engineering (CS846) May 2015 - Jul. 2015
 - Reviewed requirements for UI design and analyzed dependencies and constraints existing between the user interface specifications and the functional core
- **Data Cleaning in Biological Database** University of Waterloo
Advanced Topics in Databases (CS848) Feb. 2015 - Apr. 2015
 - Analyzed factors that cause data quality problem in biological database, and performed a case study by comparing sequence similarity using BLAST Algorithm

Selected Honors and Awards

- Graduate Research Scholarship, University of Waterloo 2014 - 2016
- Outstanding Student Scholarship, University of Science and Technology of China 2011 - 2013
- Outstanding Student Scholarship, USTC Overseas Alumni Foundation 2010