# ZIJIN LI

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## EDUCATION

**University of Waterloo**, Waterloo, CA                                              Sept, 2015 - Present
Computer Science, Master of Mathematics, co-op  Currently in 4th term  GPA: 91/100
**Beihang University**, Beijing, China (Project 211 & 985)                     Sept, 2011 - July, 2015
Software Engineering, Bachelor of Engineering   GPA: 3.82/4.0   Rank: 5th/138
Awards:  National Scholarship (Top 0.2% of nationwide undergraduates)
              Excellent Student of Beihang University (Top 3% of university)
              First-class Scholarship for Academic Excellence (Top 3% of department)

## SKILLS

**Programming Language**: C, C++, Java, C#, PHP, Python
**Web Development**: HTML, CSS, JS, SQL / Bootstrap, ASP.Net, Ruby on Rails / LAMP
**SDK & CASE**: VS, Eclipse / Enterprise Architecture, Rational Rose, MS Visio, MS Project / Git, Gerrit, Jira
**Representative Projects**:
- Questionnaire survey website (Ruby on Rails, Bootstrap / SCRUM master, front and back end developer)
- Online learning website (PHP, Bootstrap, LAMP / Solo)
- iReminder (A natural language processing Android App / Solo / 3rd prize in 24th Fengru Cup competition)
- Generational garbage collector (C / combining mark-sweep and semi-space copying garbage collector)

## EXPERIENCE

**TrustPoint Innovation Technologies, Ltd.** - Intern developer              May, 2016 - Aug, 2016
- Learned in depth about security, cryptography, authentication and Agile development
- Completed an IoT doormat project (RPi, web) and an IoT parking lot project (mDot, LoRa, Android APP). Participated in the process of creating an IoT threat model
- Added NFC verification feature to the Secure NFC APP
- Undertook debugging and testing (Junit test and Google testing framework) job to a Certificate Authority and a vehicle-to-vehicle communication software

**Text Mining Lab, Institute of Computer Science, Peking University** - Intern researcher     Mar, 2014 - Apr, 2014
- Assisted Professor Xiaojun Wan of PKU in completing relevant research
- Made improvements to existing program to store data from file to MySQL
- Visualized generated data in web page form using HTML, CSS and JavaScript

**Technique Dept., Tangshan Dist., Beijing Railway Inc.** - Intern developer     July, 2013 - Sept, 2013
- Gained insights on office automation, software engineering and testing
- Participated in the SQL programming of an office automation system
- Improved MS Office skills by writing documents and making slides

**Introduction to Software Engineering Course, Beihang University** - TA     Mar, 2014 - July, 2014
- Gave lectures on UML, software architecture and development methodologies
- Introduced multiple software development and managing tools, such as Visual Studio, Eclipse, Enterprise Architecture and Rational Rose

## PUBLICATIONS

- Yunxiang Lv, **Zijin Li**, Xueping Weng, "Introduction to Computer Science", ISBN: 9787115387806, Posts & Telecom Press, Beijing, China, 05.2015
- Yunxiang Lv, **Zijin Li**, "Exploration and Implementation of Online Course Learning Website", Computer Education Journal, Beijing, China, 2015(23): 38-42
- Yunxiang Lv, **Zijin Li**, "Exploration and Practice of Software Engineering Experiment Course", Industry and IT Education Journal, Beijing, China, 2015(11): 5-7