

# Di Sheng

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## EDUCATION

### New York Institute of Technology, Old Westbury, NY

*Master of Science in Computer Science (2016, GPA 4.0/4.0)*

### University of Toronto, Department of Chemical Engineering, Toronto, Canada

*Bachelor of Applied Science and Engineering (2013)*

### Seneca College, Department of Information & Communication Technology, Toronto, Canada

*Studied in the Department of Information & Communication Technology (2008)*

## COMPUTER SKILLS

**Programming Languages and Frameworks:** Ruby on Rails, ReactJS, Rspec, BootStrap, JavaScript, HTML, CSS/SASS, Java, C, Ruby, Shell Script(Powershell/Bash), Assembly Language, SQLite/PostgreSQL, Socket Programming, Git, VB  
**Software:** Vim, ClearCase, Atlassian JIRA and Confluence, Salesforce, CodeWarrior, Visual Studio, Docker, BeEF, Metasploit, KACE, MatLab, AutoCAD, Aspen Plus, Adobe Premiere Pro CS6, MS Office, MS Project  
**Operating Systems:** Linux (Fedora/Ubuntu/Kali), Windows OS, Windows Server 2003/2008  
**Certificates:** Completion of HTML/SASS, Ruby, Ruby on Rails, Java, JavaScript courses on CodeAcademy

## EXPERIENCE

### Test Engineer

August 2016 – Present

*Zebra Technologies, Holtsville, NY*

- Prepare and execute Quality Assurance test plans, automation test scripts and schedules for new product
- Ensure version control of all test objects, update QA test execution status as a part of routine test status updates
- Research and document details of errors in report-process immediately upon discovering problems

### Programmer Intern

January 2016 – May 2016

*Kalki Consulting LLC, New York City, NY*

- Developed PowerShell script with UI which can automatically install selected software remotely
- Developed Ruby script and Rails App with CRUD and API interface to automate daily infrastructure inspection such as ping test and E-mail server inspection, then post report to an JIRA/Confluence page through RESTful API
- Developed PowerShell script to generate Active Directory and Exchange Server reports, which were utilized by IT department for Windows Server 2003 management
- Designed a questionnaire website (<https://info.kalkiconsulting.com/ratemyit>) which integrated with Salesforce API to generate leads in database and response by different E-mail template based on the user's score
- Customized an open source Rails phishing APP Phishing-Frenzy and deployed on AWS EC2 instance, which is utilized to test the security sensitivities of clients' employees. ([http://ec2-52-202-247-20.compute-1.amazonaws.com/admins/sign\\_in](http://ec2-52-202-247-20.compute-1.amazonaws.com/admins/sign_in))

### Research Assistant

September 2015 – December 2015

*New York Institute of Technology, Old Westbury, NY*

- Proposed a conceptual homomorphic encryption design implemented on cloud based health-care datastore
- Enabled directly cloud side operation on encrypted patients' data without decryption
- Enhanced understanding of various encrypting systems and concepts in information security field

### Ruby on Rails Project

May 2015 – September 2015

*Independent Project, available at <https://jbanalytical.herokuapp.com/>*

- Provided variety of functions including user authentication, email notification, picture and comment posting.
- Utilized Bootstrap, JavaScript and several RubyGems to optimize UI
- Implemented a full set of testing scripts to ensure functions worked as designed

### Website Developer

May 2014 – September 2014

*JB Analytical Inc., Syosset, NY*

- Performed XHTML and CSS coding, prepared and uploaded multimedia files onto website
- Managed and maintained the website, including checking, testing and updating information regularly
- Worked collaboratively with others to provide online customer service and technical support

### Programming Design Project, Project Leader

January 2009 – May 2009

*Computer Programming Design Course, University of Toronto*

- Rebuilt the game AddEmUp under C environment with an additional artificial intelligence game play mode
- Demonstrated leadership skills in the design team, assigned individual tasks to team members to efficiently manage project
- Utilized pointer, array, and file I/O in coding. Provided functionality including loading/creating game board, score counting, human and computer playability