

# Lina Qiu

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## EDUCATION

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**New York University, Tandon School of Engineering**, New York, NY May 2019  
Master of Science, Computer Science

**The University of Edinburgh, School of Informatics**, Edinburgh, UK 2015-2017  
Bachelor of Engineering with Honors, Computer Science and Electronics  
Second Class, Division 1

**South China University of Technology, School of Electrical and Information Engineering**,  
Guangzhou, China 2013-2015  
Bachelor of Engineering, Information Engineering GPA:3.80

## TECHNICAL SKILLS

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Programming Languages: Java, C/C++, Python, HTML, Javascript, SQL, Scala

Operating Systems: Windows, Linux, OS X

Other Tools: Matlab, MS Office

## ACADEMIC EXPERIENCE

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**Honors Project "Privacy Principles to Privacy Settings"** (HTML, Javascript, Python)

- Identified potential privacy violations on Facebook and visualized them in a user-friendly way
- Developed a web app that allows users to articulate their privacy principles
- Measured the extent to which users' privacy principles can be fulfilled on Facebook and proposed some suggestions

**Distributed Systems** (Java)

- Implemented a distributed system using the Apache Ignite framework to get top ten most popular Wikipedia pages

**Database Systems** (SQL)

- Established a database and queried it as required

**Computer Communications and Networks** (Java)

- Implemented different protocols for achieving end-to-end reliable data transfer at the application layer

**Computer Architecture** (C++)

- Explored Branch Prediction techniques in a processor simulator modeling a 5-stage pipeline
- Investigated the effect of data caching and prefetching on the performance

**Project "The Influence of Information Steganography on H.264 Video Quality"**

- Studied several video steganography algorithms and decided which one of them is the best in concealing information while not causing video distortion

## WORK EXPERIENCE

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**Web Developer Intern, ZTE Corporation**, Shenzhen, China May 2015-July 2015

- Helped with the implementation of the new UI of company websites
- Handled the compatibility problems of the new UI