

JIACHENG LIU

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EDUCATION

Columbia University

New York, NY

- Master of Science in Computer Science, GPA 3.58

Expected December 2017

Relevant Coursework: Cloud Computing, Algorithms, Database Implementation, Serverless Applications, Operating Systems

City University of Hong Kong

Hong Kong

- Bachelor of Science in Computer Science, GPA 3.87 (First Class Honor)

July 2016

Relevant Coursework: Mobile Computing, Cloud Computing, Data-Intensive Computing, Computer Security

SKILLS

Programming Languages: Java, Python, JavaScript, Groovy, K, Scala, C, OCaml, Octave, SQL, HTML, CSS

Toolkits and platforms: MySQL, MongoDB, Spark, Pig, MapReduce, Hadoop, AWS, Junit, Bash, Git, SVN, Jira

Frameworks: Grails, Spring, Hibernate, Django, Node.js, Bootstrap

WORK EXPERIENCE

1010data

New York

Intern Developer, Data Management

June 2017 - Aug 2017

- Wrote libraries for AWS SNS service in K, a vector programming language
- Integrated AWS Lambda functions with SNS to build a notification tool in K
- Designed and implemented an automated escalation tool to manage error messages and simplify system monitoring

HSBC LTD.

Hong Kong

Industrial Trainee, Futures IT, Global Banking and Markets

June 2014 - June 2015

- Maintained and supported 3 derivative trading systems with 11 servers and several hundred traders
- Took part in inter-department development of a Global Change Management web application
- Implemented data persistence layer in Java on Spring and Hibernate frameworks

PROJECT EXPERIENCE

Cloud Computing and Big Data Course Project – Plague Simulation Web App

October 2016 – December 2016

- Designed and implemented a web app simulating spread of plague via airlines and displaying on a world atlas
- Developed calculation on a Spark cluster, used Kafka as messaging tool with frontend and Django servers
- Led a group of four and designed the system architecture

Final Year Project - Sina Microblog User Study Web App

September 2015 – April 2016

- Designed and implemented a microblog user data mining and visualization web application
- Applied multiple prediction and clustering models to study user interest and network from various perspectives
- Implemented an asynchronous web console to view user study results on Grails and Bootstrap frameworks

JOS Innovative Competition - QNO, an electronic queueing application

December 2015 – March 2016

- Designed a mobile application enabling users to queue for restaurants electronically
- Implemented server side application on Grails and provided a RESTful interface to mobile app

Data-intensive Computing Course Project - Keyword Study on Multiple Platforms

September 2015 – December 2015

- Developed a trending keyword extraction function using TextRank algorithm
- Implemented, evaluated and compared the same functionality on MapReduce, Pig and Spark platforms

AWARDS AND SCHOLARSHIPS

Gold Award in the JOS Innovative IT Project Awards (Project QNO)

2016

HKSAR Government Scholarship

2014 - 2016

City University Half Tuition Scholarship

2012 - 2016