HONGNING YUAN

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EDUCATION

Columbia University, New York, USA

Master of Science in Computer Science   Expected Dec 2017
- Current GPA: 3.42

City University of Hong Kong, Kowloon, Hong Kong

Bachelor of Science in Computer Science   Jun 2016
- Graduated with First Class Honors. Cumulative GPA: 3.5 (Top 10%)

PROJECT EXPERIENCE

Step by step - Walking, Running and Ranking   Dec 2016 – Jan 2017

An iOS pedometer and running app
- Designed and developed the app individually (Full stack)
- Provided global leaderboard feature for running distances
- Implemented user registration and integrated Facebook/Google log in
- Published on App Store

Going Viral   Nov 2016

A web application that simulates the burst and spread of a plague
- Collected real life flight data (over 250000 airline records) for simulation
- Built with Spark, Kafka, Django and Bootstrap
- Deployed on Amazon Web Services

Linux Weighted Round-Robin Scheduler   Oct 2016

A start-up boosted custom Linux scheduler
- Built the scheduler from scratch in a three-person team
- Implemented the load-balancing feature
- The scheduler functioned well in Huawei Honor 5X Android phone

WORK EXPERIENCE

The Hongkong and Shanghai Banking Corporation, Hong Kong

Industrial placement trainee, Software Delivery   Aug 2014 – Jun 2015
- Took part in the development of SWF Wab engine, a web banking application
- Conducted user acceptance test and system integration test on the new phone banking hotline
- Assisted in managing working items and schedule for the team
- Provided general support to the development team

RESEARCH EXPERIENCE

Chinese Academy of Sciences

Research Student, Shenzhen Institutes of Advanced Technology   Jun 2015 – Aug 2015
- Topic:Facility location problems with optional preference
- Proposed the new optional preference model in the field and provided corresponding solutions

Kyushu University

Research Student, Multi-agent Systems Laboratory   Dec 2015 – Jan 2016
- Topic: False-name-proof Mechanism Design without Money
- Explored the optional preference model under false-name-proof settings

PUBLICATIONS

Hongning YUAN, Kai Wang, Ken C.K. Fong, Yong Zhang, Minming Li. 'Facility Location Games with Optional Preference' in *22nd European Conference on Artificial Intelligence, 29 August–2 September 2016, The Hague, The Netherlands*

ACADEMIC HONORS & AWARDS

Bronze Medal, ACM ICPC 2015 Asia Beijing Regional Contest   2015
Dean's List, College of Science and Engineering, CityU   2015
CityU Mainland Student Scholarship   2012 – 2016

SKILL SET

Programming languages: Java, Swift, C++, Python, C#
Toolkits: iOS dev, AWS, Django, MYSQL