

Hongning Yuan

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EDUCATION	Columbia University , New York, USA	
	Master of Science in Computer Science • Current GPA: 3.42/4.00	Expected Dec 2017
	City University of Hong Kong , Kowloon, Hong Kong	
	Bachelor of Science in Computer Science • Graduated with First Class Honors. Cumulative GPA: 3.5/4.0 (Top 10%)	Jun 2016
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) • Localized the app with English and Simplified Chinese • Adapted the user interface to fit all iOS devices • Published on App Store at https://itunes.apple.com/app/id1179166655 • Opened sourced on Github at https://github.com/huanyan-hny/Step-by-step	
	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 Kernel Hacking	Oct 2016
	A custom Linux kernel on Huawei Honor 5X Android phone • Implemented a start-up boosted custom Round-Robin scheduler • Performed user-level memory mapping • Delivered various new features such as inter-process communication logging and light intensity detecting	
WORK EXPERIENCE	The Hongkong and Shanghai Banking Corporation , Hong Kong	
	Industrial placement trainee, Software Delivery • 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 effective support to the development team	Aug 2014 – Jun 2015
RESEARCH EXPERIENCE	Chinese Academy of Sciences	
	Research Student, Shenzhen Institutes of Advanced Technology • Topic: Facility location problems with optional preference • Proposed the new optional preference model in the field and provided corresponding solutions	Jun 2015 – Aug 2015
	Kyushu University	
	Research Student, Multi-agent Systems Laboratory • Topic: False-name-proof Mechanism Design without Money • Explored the optional preference model under false-name-proof settings	Dec 2015 – Jan 2016
PUBLICATIONS	Hongning YUAN , Kai Wang, Ken C.K. Fong, Yong Zhang, Minming Li. 'Facility Location Games with Optional Preference' in <i>22nd European Conference on Artificial Intelligence</i> , 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: Swift, Java, C++, Python, C# Toolkits: Xcode, Sketch, Eclipse, AWS Language: Native in Mandarin and fluent in English	