

Kun QIAN

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SUMMARY

Innovative Software Developer experienced in building long-lasting software with intelligent service & user experience.

- ❑ 1+ year industry experience in developing experimental and large-scale *Enterprise Mobile* and *Web* products.
- ❑ 4 year research experience in creating intelligent systems using *Human Computer Interaction* and *Machine Learning*.

SKILLS

- ❑ **Mobile/Frontend:** Java/Android, C#/Windows8, HTML5/CSS3/JS/CoffeeScript/jQueryMobile/Bootstrap
- ❑ **Web/Backend:** Ruby on Rails/Cucumber/RSpec, Node.js/Express, SOA/REST/JSON/API, AWS/Heroku
- ❑ **Data/Analytics:** SQLite, MySQL, Hadoop, MongoDB
- ❑ **Agile/Lean:** Kanban, BDD, CRC Card, TDD, CI, Refactor, Clean Code, Pair Programming
- ❑ **Technology:** Ubicomp, Animated Interface, UX Design, SVM, Graphic Model, MapReduce

INDUSTRIAL EXPERIENCE – (Innovator & Software Engineer, 1+ year)

Global Enterprise Mobility Lab, HCL Technology

[Apr 12 – Present/ Singapore]

HCL is a leading global technology company with annual revenues of US\$6 billion; Identified strategic portfolios for the lab by creating 9 experimental systems for the lab and its global customers (*MayBank, NEA, VISA, URA, Manulife*); Delivered 2 novel and comprehensive mobile products and won new contracts as lead developer; Provided effective solutions to solve customers' problems and developed its large-scale product (*SingPost*); Projects including:

- ❑ **Mobile eCommerce:** ScanDelight - Mobile Voucher Platform (Code refactoring & Redesign)
- ❑ **Field Service:** Hawkeye - Mobile Field Team and Workflow Management System for Government
- ❑ **Mobile CRM:** FinEdge - Transforming CRM to Customer Experience Management for Financial Industry
- ❑ **Mobile Payment:** VISA Browser - Voice Authorized Wallet for Mobile E-Commerce Site

RESEARCH EXPERIENCE – (Graduate Researcher, 4 years)

① HCI Lab, National University of Singapore ② HCI Lab, University of Manitoba ③ Singapore– MIT GAMBIT Lab ④ Web Computing & Media Intelligence Lab [Sep07 –Jan12/ Singapore, Canada, China]

Researched in creating system that provide intelligent services and user experience by converging HCI and Machine Learning technologies; Contribute to 8 projects, created 6 novel research projects as project leader; Projects including:

- ❑ **Intelligent Robot:** GWAProbot - Intelligent Domestic Robot Design using Collaborative Web Games
- ❑ **Intelligent Mobile:** UbiSport - Multidimensional Context Aware Mobile Social Network for Sporting
- ❑ **Intelligent Media Design:** CogDesign - Knowledge Based Computational Character Design
- ❑ **High Dimensional Data:** CENA - Cluster-Based Ensemble Classification for High Dimensional Images

SIDE PROJECTS

Experimented and contributed several mobile and web projects as personal interest, including: 3D Rotating Cube Menu, Groupcells (SingTel i.Challenge 2011 -worldwide finalist), mAREbook (IT BP Competition -schoolwide No.1).

EDUCATION

M.SC in Computer Science, National University of Singapore

[Aug08 –Apr12/Singapore]

- ❑ GPA: 4.56/5, Top 5%, Specialized in *Human Computer Interaction*, Full Scholarship

B.S in Computer Science and B.B.A in Accountancy, Fudan University

[Sep04- Jul08/China]

- ❑ GPA: 3.4/4, Top 10%, Specialized in *Machine Learning* Techniques, Full Scholarship

Corporate Training: MS Windows8/ SAP SUP Mobile/ Oracle Mobile ADF/ Hortonworks Hadoop / Amazon AWS