

INDUSTRY EXPERIENCE

Software Engineer **Bubbly Inc** **Feb14 – Now/Singapore**
 Responsible for **Android Platform** for Bubbly, a leader in mobile voice social networks and messaging for both feature and smart phone, and a VC backed startup (\$60m from Sequoia etc.) with 30m users. (Java/Android, Scala/Play/AWS)

- Developed new feeds, audio player, GIF engine/store etc. with highly customized and animated views in 2 months;
- Improved performance & robustness by caching, threading, progressive loading, resource monitoring and bug fix;
- Enhance extensibility & testability by modularize class design, separate biz logic, and remove circular dependency;

Software Engineer **Global Enterprise Mobility Lab, HCL** **Apr12 – Jan14/Singapore**
 Core developer and innovator in the Mobility lab of HCL (No.4 largest IT company in India); Received top performance review (9.3/10) by performing duties in two aspects:

- *High Performance Application Development* (Java/Android, Java/Play framework)
 - **Lead Android developer** in redesigning a major ecommerce app ([ScanDelight](#)) for SingPost in a team of 7 persons in 1 year; rebuild the architecture and systems (1st phase); extended with 20% new features (2ed phase);
 - Redeveloped Webservice API and data synchronization strategy; optimized *SQLite* database design; boosted page loading via threading and caching; resulted in average *400%* performance improvement;
 - Increased robustness through adopting careful memory management strategy;
 - Refactored code base to better follow *MVC* and *OO* design pattern; reduced *2/3* codes and enhanced extensibility;
- *Rapid New POC/Product Development* (Java/Android, C#/Windows8, JS/HTML5/CSS, RoR/Node/AWS)
 - Identified strategic portfolios by rapid Proof of Concept (POC) development for global customers (MayBank, URA, VISA, EDB, Manulife etc), leveraging *SMAC* (*Social, Mobile, Analytic, Cloud*) technology and *Agile* approach;
 - **Lead Android & Windows 8 developer, UX designer** in delivering 3 novel and comprehensive mobile products: (*FinEdge* – Mobile CRM for Banks, *Hawkeye* - Mobile Field Service System for Governments, *VISABrowser* - Voice Authorized Mobile Wallet for Consumer);

Co-Founder (Software Engineer / UX) **GroupCells Pte Ltd** **Jan11 – Jan12/Singapore**
 Created an interests and location aware mobile Social Network ([GroupCells](#)) for strangers to establish instant connection group; Developed two products: Groupcells for sharing pictures and for making business connection; (Java/Android)

- Worked in a team of 5 developers; developed the grouping algorithm and mobile interface; created business plan;
- Achieved finalist (Top 10) in *SingTel i.Challenge 2011* Startup Competition; Reported by [TechCrunch](#), [TechNode](#) etc;

RESEARCH EXPERIENCE

Graduate Researcher **Human Computer Interaction Lab, NUS/UOM** **Feb09 – Jan11/Singapore, Canada**
 Researched in providing intelligent services and delightful user experience by converging *HCI* and *Machine Learning* technologies; Implemented 3 such innovative systems on *mobile*, *web* and *robotic* platforms. (Java/Android/UX)

Research Intern **Media Computing & Web Intelligence Lab, Fudan** **Sep07 – Jul08/China**
High Dimensional Data Processing: Developed a cluster-based ensemble semi-supervised learning algorithms for high dimensional image classification; achieved 16.31% accuracy improvement compare with *SVM* on Geo-Sensing Data; (C++)

SKILLS

- **Mobile/Frontend:** Java/Android (Expert), C#/Windows8, JavaScript/jQMobile/Bootstrap/PhoneGap, Obj-C/iOS
- **Web/Backend:** Java/Play Framework, Ruby on Rails, JavaScript/NodeJS/Express, C++, AWS/Heroku
- **Data/Analytics:** SQL/SQLite/MySQL, NOSQL/MongoDB, Big Data/Hadoop, Flurry/Crashlytics/Google Analytics
- **Dev/Process/Tools:** UI/UX/Product, Agile/Scrum, IntelliJ/Sublime, GitHub/SourceTree, Maven/Nexus, Jenkins/Sonar

EDUCATION

M.SC in Computer Science **National University of Singapore (NUS)** **Aug08 – Jan12/Singapore**
 • GPA: 4.56/5, Top 5%, Specialized in *Human Computer Interaction*, Full PHD Scholarship

Double Bachelor Degree **Fudan University** **Sep04 – Jul08/China**
 • B.S in Computer Science and B.B.A in Accountancy. GPA: 3.4/4, Top 10%, Specialized in *Machine Learning*

Honor & Awards: Outstanding Leader (1%), Top Ten of School of Information (1%), Outstanding Graduates (1%)