

GONG Li

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Working Experience

- **Works Applications**

Singapore

Software Engineer

Oct 2014 - Jun 2017

- Built a general information extraction micro-service which supported more than 8 products with functions like invoice and resume extractions
 - * Researched frontier solutions including online structured perceptron, conditional random field and structured SVM to resolve sequence labelling problem
 - * Achieved invoice extraction using structured SVM with 0.723 f1 score in 5 ms, which was 40 times faster than the original rule and history based approaches
 - * Initiated and collaborated with team to develop a web-based annotation tool using ReactJS to prepare initial training data in a fast manner
 - * Designed and implemented a data release flow to keep track of training data for each scenario, which largely reduced the pain in managing data
 - * Pioneered micro-service architecture to decouple components, which reduced memory consumption by 100 MB and server start-up time by 120 seconds
- Developed the core parts of a web application for managing files in 20 days, which included file system, sharing, downloading and previewing functions. Awarded an internal golden reel for this excellent achievement
- Implemented globalization features at framework level for new products, which significantly reduced the time cost for application developers to deal with timezone and locale

- **IBM**

Singapore

Summer Research Intern

May 2013 - July 2013

- Implemented and compared various algorithms to perform summarization tasks with the best approach achieving 0.78 precision.
- Mined useful business insights from tweets and data of enterprise social network.

Education

- **Nanyang Technological University**

Singapore

B.Eng (Hons) in Computer Engineering with Minor in Business *Sep 2010 - May 2014*

- Awarded **first class honours degree** with GPA **4.67/5.0**
- Listed on Dean's List for Academic Year 2013 - 2014

Open Source Projects

- **Face Recognition**

Mar 2013 - Apr 2017

- Developed a face recognition system in 3 different algorithms including eigenfaces, fishfaces and laplacianfaces on Github with more than 100 stars

- **Android XMPP**

Aug 2012 - Mar 2013

- Developed an android prototype of chatting service using Extensible Messaging and Presence Protocol (XMPP) on Github with more than 80 stars