

GONG Li

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Working Experience

- **WORKS APPLICATIONS** Singapore
Software Engineer *Oct 2014 - Present*
 - Building the machine learning platform to resolve challenging problems using classification algorithms like SVM, KNN and etc. Achieved flight information extraction using SVM in 5 milliseconds, which is 40 times faster than the original rule and history based approach.
 - Developed the core parts of a web application for managing files in 20 days, which include file system, sharing, downloading and previewing functions. Awarded the 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

School Projects

- **Final Year Project, Visual Event Recognition in Videos** *Feb 2013 - Dec 2013*
 - Researched and implemented a framework to recognize different images and videos by employing **cutting-edge** Transfer Learning approaches.
 - Improved the mean average precision by 2% through the introduction of distance calculation using Gaussian Mixture Model, which outperformed the best result reported in the original paper.
- **CPE433 Machine Learning, Face Recognition Project** *Mar 2013*
 - Developed a face recognition system in 3 different algorithms including eigenfaces, fishfaces and laplacianfaces, which outperformed most of the other systems.
 - **Led** a group of three to achieve this project with high quality in only 20 days

Skills

Technique Skills: Java, Python, Javascript, C, C++, SQL, OOP, UML, Design Patterns

Languages: Fluent in written and spoken English and Chinese