

Stanley Wai Keong, Yong

Blk 506 West Coast Drive Apt 07-205, Singapore 120506

065-67774921

geekdom@gmail.com

Profile

- Research engineer with 4 years industry experience in data mining, Natural language processing and statistical learning.
- Experience in leading teams through highly stressful situations as an Operations/Intelligence Specialist in the military.
- Innovative improviser with proven ability to engineer timely solutions.

Education

In progress, PhD, Computer Science, National University of Singapore
M.S., Statistics, GPA 4.0/4.0 University of Illinois at Urbana Champaign (2004)
M.S., Computer Science, GPA 3.95/4.0 University of Illinois at Urbana Champaign (2004)
B.S. Computer Science, Highest honors, Minor in Technology and Management (2004)
GPA 3.89/4.0 University of Illinois at Urbana Champaign

Relevant Experience & Accomplishments

Publications and Patents

- An Effective method of using Web based information for Relation Extraction, with Jian Su, to appear in Proceedings of the International Joint Conference of Natural Language Processing, 2008 Main Conference.
- An exploration of scientific literature mining, Master's Thesis, UIUC 2004.
- US Provisional Patent Application: **I2R/P/04590/00/US** for Relation extraction via Wikipedia and the Web

Systems Development

- Web based Service Support truck dispatch system with GPS tracking, automatic distribution and routing (Java, Php, Embedded Visual Basic)
- Customer complaints and defective product tracking system for Dorma Far East, reducing manual processing by 1 man hour/day/user and removing input errors.
- 2D package placement program for optimal palletization using constraint optimization for Dorma Production Singapore (C++)
- Revised architecture of Natural Language processing pipeline to exploit parallelism by multi-threading and ensured compliance with IBM's Unstructured Information Management Architecture (UIMA) framework at I2R for European Union funded BOOTStrep Initiative.

Instruction

- Teaching assistant for Programming Language Design, CS322, Fall 2003.
 - Teaching assistant for Intro to Parallel Programming, CS320, Spring 2004.
-

Employment

- Research Officer**, *Institute for Infocomm Research*, Singapore 2006-present
- Conduct strategic research into novel techniques for information extraction, and development of platforms for commercialization.
- Systems Analyst**, *Dorma Production*, Singapore 2004-2006
- Support for SAP implementation.
 - Streamlining non-manufacturing processes using better algorithms and system design.
 - Statistical analysis in support of finance and accounts.
- Teaching Assistant**, *Department of Computer Science*, University of Illinois 2003-2004
- Tutoring outside lectures, design of challenging homework questions and automated grading scripts.

Battery Operations/Intel Specialist, Republic of Singapore Airforce

1998-2000

- Updating Standard Operating Procedures Manuals
- Course Instruction for Surface to Air Missile system
- Managing small team of clerks in consolidation and dissemination of intelligence reports at the Battery level

Honors & Awards

1. Hewlett Packard Scholarship, MSC. Bioinformatics at Nanyang Technological University, 2004-05
2. Economic Development Board of Singapore, Singapore Inc Scholarship, 2000-2003
3. 2nd Prize Andersen Business Consulting Challenge (Nationals), 1st Prize (Midwest region), 2002
4. Deans' List & James Scholar, 2000-2003
5. Accenture and College of Engineering award for outstanding leadership and academic achievements, 2002

Internships

1. Accenture Tech Labs, Chicago (2003)
2. Caterpillar, Peoria (2003)

Outdoors Experience

2003 Chicago Half Marathon
2004 Kayaking in Seward Alaska, Prince William Sound
2005 Action Asia Challenge (Adventure Race, approximately 60 km, run, cycle, swim, kayak, rappelling)
2005 Malakoff Duathlon (9-60-9 km, run, cycle, run)
2006 Cycle from Singapore to Kuala Lumpur, fly to Borneo, climb Kinabalu in 1 week
2007 Kayak down Dungun River in Terengganu