

shawntan

aspiring computer scientist

online

✉ shawn@wtf.sg
http://blog.wtf.sg
fb://shawntan.171287
shawntan@github
tanshawn@linkedin

languages

english (proficient)
mandarin

programming

♥ JavaScript, Java
Python, Ruby, C, Perl

technical skills

HTML & CSS, \LaTeX ,
Linux System
Administration

about

♂ Tan Jing Shan, Shawn
✉ 5 Jalan Asas, Singapore 678763

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experience

2013 - now	Semantics3	Software Engineer
2008 - 2009	Singapore Armed Forces	Manpower Officer
	Administrative position managing National Servicemen	
04 - 06 2007	RHyMeS Center, Ngee Ann Polytechnic	Research Assistant
	Development of a conference management system using active RFID tags for tracking.	
01 - 03 2007	Ngee Ann Polytechnic	Teaching Assistant
	<ul style="list-style-type: none">• Provided technical support for students working on the RHyMeS project.• Facilitated workshops on using the RHyMeS SDK and API.• Taught students working on their projects how to use the Java Swing UI API	

education

2009 - 2012	Bachelors of Computing (BComp)	National University of Singapore
	Major in Computer Science - Upper 2 nd Class Honours Special Programme in Computing (Turing Programme) Focus Area: Artificial Intelligence CAP: 4.39 / 5	
2004 - 2007	Diploma in Information Technology	Ngee Ann Polytechnic, Singapore
	Specialisation in Software Engineering - Diploma with Merit GPA: 3.8 / 4	
2003	GCE 'O' Levels	Mayflower Secondary School, Singapore

academic projects

- 2010 - 2011 **grabsmart: A User-centric Web Information Extraction System**
An integrated system that allows users to easily select portions of a page to extract, and subsequently extracts the data in a manner that is robust to site layout changes.
- 2012 **Predicting Web 2.0 Thread Updates**
A method to estimate arrival times of new posts to forum discussion threads and an evaluation metric for measuring the effectiveness of an incremental crawler of a site with time-sensitive data.
- 04 2011 **LSPI Tetris Agent**
Application of the least-squares policy iteration algorithm to play Tetris as part of the CS3243 Introduction to Artificial Intelligence course. The agent can complete 100,000 lines on average, and up to a maximum of about a million lines.
- 04 2012 **Focused Web Crawling using Markov Decision Processes**
Using the least-squares policy iteration algorithm and some heuristics to perform focused crawling. For CS4246R AI for Planning and Decision Making (Research Project)
- 10 2011 **Survey Paper: Computational Humour**
A literature review of 6 approaches to computational humour. For CS3243R Introduction to Artificial Intelligence (Research Project)

organisations

- 2010 - 2012 **NUS Hackers** Coreteam Member
Duties include facilitating NUS Hacker activities: Hack & Roll 2012, weekly Friday Hacks, and maintaining the download.nus.edu.sg mirror service
- 2003 - 2012 **Singapore Scouts Association** Assistant Scout Leader
Attached to the Mayflower Secondary School Boy Scouts Group. Duties include facilitating camps, weekly meetings, and mentoring both scouts and ventures.

research interests

artificial general intelligence, recurrent neural networks, machine learning, reinforcement learning, graphical models, natural language processing, data mining