

# shawntan

aspiring computer scientist

## online

✉ shawn@wtf.sg  
http://blog.wtf.sg  
google.scholar  
shawntan@github  
tanshawn@linkedin

## languages

english (proficient)  
mandarin

## programming

♥ Python, JavaScript,  
Java, Ruby, C, Perl

## technical skills

HTML & CSS,  $\text{\LaTeX}$ ,  
Linux System  
Administration

♂ Tan Jing Shan, Shawn  
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## about

I'm currently a PhD student at the University of Montreal, where I work at the Montreal Institute of Learning Algorithms (MILA).

## experience

- |              |  |                          |
|--------------|--|--------------------------|
| 2016-present | <b>Montreal Institute for Learning Algorithms</b>  | Student                  |
|              | Exploring better deep learning architectures and structured prediction methods for modelling natural language.                                     |                          |
| 2014-2016    | <b>Speech Recognition Group, National University of Singapore</b>  | Research Assistant       |
|              | Working on the machine learning aspects of speech recognition using neural networks, with applications to speaker adaptation and noise robustness. |                          |
| 2013-2014    | <b>Semantics3</b>  | Software/Data Engineer   |
|              | Data scientist / Machine learning engineer related tasks for processing data.  |                          |
| 2010-2012    | <b>Web Information Retrieval and NLP Group (WING), NUS</b>   | Undergraduate researcher |
|              | Did two undergraduate research projects  |                          |
| 2008-2009    | <b>Singapore Armed Forces</b>  | Manpower Officer         |
|              | Administrative position managing National Servicemen   |                          |

## education

- |              |  |                                  |
|--------------|--|----------------------------------|
| 2018-present | <b>PhD in Computer Science</b>   | University of Montreal           |
| 2016-2018    | <b>Masters in Computer Science</b>   | University of Montreal           |
| 2009-2012    | <b>Bachelors of Computing (BComp)</b>  | National University of Singapore |
|              | Major in Computer Science - Upper 2 <sup>nd</sup> Class Honours<br>Special Programme in Computing (Turing Programme)<br>Focus Area: Artificial Intelligence<br>CAP: 4.39 / 5 |                                  |
| 2004-2007    | <b>Diploma in Information Technology</b>   | Ngee Ann Polytechnic, Singapore  |
|              | Specialisation in Software Engineering - Diploma with Merit<br>GPA: 3.8 / 4  |                                  |

## projects

- |         |  |
|---------|--|
| 10 2014 | <b>Neural Turing Machines implementation in Theano</b>   |
|         | Implementation of system described in "Neural Turing Machines." by Alex Graves, Greg Wayne, and Ivo Danihelka. |