Seetoh Rui Ming, Daniel

+65 96699580 | danielseetoh92@gmail.com

**EDUCATION**

**Nanyang Technological University, Renaissance Engineering Programme (REP) Singapore**

*Bachelor of Engineering Science in Computer Science* Aug *2013 – May 2017*

*Master of Science in Technology Management Jan 2016 – Dec 2017*

* **GPA:** 4.53/5.00 (First Class Honours)
* **Awards:** Mdm Thio Geok Kim REP Scholarship
* **Relevant Computing Coursework:** Artificial Intelligence, Algorithms, Operating Systems, Software Engineering, Databases, Computer Graphics, Object Oriented Programming, Human Computer Interaction, Advanced Algorithms, Data Analytics and Mining, Systems Analysis, Net Centric Computing, Neural Networks, Machine Learning, Distributed Systems

**University of California, Berkeley Berkeley, USA**

*1-year Study Abroad* Aug *2015 – May 2016*

* Gained cultural intelligence by collaborating with international students on various projects
* Directed a team to develop an image recognition system that can detect red light signals and warn the user verbally for Hacktech2016 at Caltech

**Hwa Chong Institution Singapore**

*G.C.E. ‘A’ Level | Integrated Programme* Jan *2005 – Dec 2010*

**WORK EXPERIENCE**

**Merck & Co.** **New Jersey, USA**

*Web Development Intern* *May 2016 – July 2016*

* Co-developed two dynamic Websites that provided internal search functions, through the entire software development life cycle. Utilized MarvelApp to prototype quickly and agile methodology to iterate with the client back and forth. Websites reduced user search time by 5 clicks.
* Provided technical consultation on 2 RFP bids on a mobile app from both a technical and business viewpoint, as well as a review on mobile-readiness of internal system that aided in decision making.

**Singtel** **Singapore**

*IT Intern, Business Services Support* *May 2015 – July 2015*

* Redesigned the IT Roadmap for Singtel systems for the next 5-10 years using Microsoft Visio
* Refined visualization of data by utilizing new tools, resulting in a much clearer data graph

**Ching Soon Construction** **Singapore**

*Administrative Assistant, Purchasing Department* *Feb 2011 – April 2011*

* Liased with representatives from other companies for larger scale projects
* Utilized new methods of analyzing large amounts of data in Excel beyond the accepted standard and reduced the time required to handle these data

**PROJECTS**

**Lifeline** **Berkeley, USA**

* A social entrepreneurship project that aims to reduce the time required for a victim to receive medical aid via crowdsourcing trained personnel located near the incident.
* Created a website and a mobile app. Developed on Cloud9, used Python, Flask, Bootstrap, Postgresql, Twilio, Ionic, AngularJs.

**SeetohBlog** **Singapore**

* A blogger than allows users to create accounts and their own blogs, which others can view and comment on. Users can manage their blogs, customize their blogs, add images to posts and more.
* The website was created using Python, Django, Bootstrap, Postgresql, Heroku, AWS s3 (for hosting of static and media files).

**Final Year Project** **Singapore**

* Image recognition using convolutional neural networks. Working with Rolls Royce datasets to automate the detection and classification of various machinery features.
* Used Matlab to create a convolutional neural network, trained it using supervised learning, assessed its ability to detect and classify features accurately. Used Python to create an image editor, to augment a dataset based on rules we discovered.

**Wherewoof** **Berkeley, USA**

* A web application that allows users to track the locations of their friends in real time, and receive notifications via email.
* Created using Ruby on Rails, Bootstrap, jQuery, ActiveRecord. Used tools such as PivotalTracker, Cucumber, Jasmine, RSpec.

**Dryzone** **Singapore**

* A laundry mobile app that aims to provide intelligent suggestions on when the best times to wash and dry clothes outdoors are for markets in Japan and China. Pulls data from weather sources, user’s calendars, and gradually learns via user input.
* Currently in progress, developing a mobile application using Xamarin for Android, as well as Azure Machine Learning.

**TyrianMock** **Singapore**

* An arcade style shooter that was one of my earlier projects, designed in the style of Tyrian.
* Created using Html5 canvas and vanilla Javascript.

**SKILLS, ACTIVITIES & INTERESTS**

**Languages:** English (Fluent), Mandarin (Intermediate)

**Technical Skills:** Python, Java, C/C++, Ruby, HTML5, CSS, Javascript, Postgresql, MSSQL, Matlab, .NET, Django, Rails, Flask, jQuery, Angularjs, Ionic

**Website:** http://danielseetoh.github.io

**Interests:** Breakdance, Hackathons

**Volunteer work:** Overseas Community Involvement Project at an orphanage in Nias, Indonesia.