

# Nah Zheng Xiang, Philson

Email: philsonnah@msn.com

Mobile: (65) 96966686

Date of Birth: 09/02/1989, Singaporean

## Experience

08/2014 – 09/2016



### Enterprise IT Engineer, Defence Science and Technology Agency (DSTA)

- Worked closely with users as mgmt. committee secretariat on the LEARNet project
- Developed, drafted and implemented IT governance standards for outsource vendors
- Liaised with IT vendors to ensure smooth implementation of apps and features
- Engaged in proactive research of IT trends and pedagogies to push innovation
- Managed a team of contract staff for IT infrastructure rollout and maintenance

08/2013 – 11/2013



### IS3102 Teaching Assistant, National University of Singapore

- Provided weekly consultation sessions for students to seek help on their project
- Guided students in Requirements Analysis and development of Enterprise Systems
- Provided troubleshooting of Java EE and Web Development related issues

06/2013 – 08/2013



### SME Infocomm Enabler Intern, Infocomm Development Authority of Singapore

- Researched and analyzed different industries to identify key business challenges
- Conducted interviews with local SMEs to gain insights on their business processes
- Proposed solutions to boost productivity and increase ICT adoption of local SMEs

05/2012 – 08/2012



### Applications Developer Intern, Barterfli Holdings Pte Ltd

- Designed and developed website templates for client facing e-commerce solutions
- Coordinated and worked on projects between Barterfli and their IT vendor Vidasprint
- Introduced mobile app development to the team by producing a working prototype

## Skills and Knowledge

- **Web Applications** – HTML5/CSS3/JavaScript, jQuery, TypeScript, Ajax/JSON
- **Hybrid Applications** – Apache Cordova, Electron, Ionic Framework, Angular 2+
- **Server-side Development** – Java EE (Servlets, JSP, EJB), PHP, MySQL, Node.js
- **Cloud Computing** – SOA, Amazon Web Services (EC2, S3), Google Compute Engine
- **Requirements Analysis** – UML, Use-Case Diagrams, Activity Diagrams, ER Diagrams
- **User Experience Design** – Nielsen's Heuristics, Hierarchical Task Analysis, Adobe XD
- **IT Consulting** – PMBOK, IT Strategy, Outsourcing Management, Design Thinking

## Education

Aug 2017 to Aug 2018

### Nanyang Technological University (NTU)

- Master of Science (MSc) in Information Systems
- Areas of study: Usability Engineering, Project Management, HCI
- Certificate of Excellence, GPA: 4.6/5.0

Aug 2010 to Aug 2014

### National University of Singapore (NUS)

- Bachelor of Computing (Hons), Major in Information Systems
- Specialization: Service Science, Management and Engineering (SSME)
- Dean's List Award

Jan 2006 to Dec 2007

### Serangoon Junior College (SRJC)

- Completed GCE 'A' Level
- Distinction in H2 Computing

Jan 2002 to Dec 2005

### Montfort Secondary School

- Completed GCE 'O' Level
- Distinctions in English Language, History, Mathematics and Science

# Nah Zheng Xiang, Philson

Email: philsonnah@msn.com

Mobile: (65) 96966686

Date of Birth: 09/02/1989, Singaporean

## Awards and Accreditations

- Certificate of Excellence (Academic Year 2017-18, Semester 2)
- Japanese-Language Proficiency Test (JLPT) N3
- National Service (NS) Excellence Award 2017, 2018
- DSTA Innovation Award (Individual) 2014
- SAP Certified Associate – Business Foundation & Integration with SAP ERP 6.0 EHP5
- School of Computing Term Project Showcase (STePS) 2014 – 1<sup>st</sup> Place
- IS1112 Most Innovative E-Business Award (2013)
- Dean's List Award (Academic Year 2011-12, Semester 2)

## Academic Research



Wee Kim Wee School of Communication and Information

AC-01 Design of an e-learning prototype

### CI6299 CRITICAL INQUIRY IN INFORMATION SYSTEMS

- Reviewed existing literature in the areas of e-learning and case-based learning
- Identified a knowledge gap in the application of e-learning to case-based learning
- Constructed a framework to address this knowledge gap and guide research
- Implemented an e-learning prototype to manifest the research framework
- Evaluated prototype using before-and-after, within-participant experimental design



Game to Learn?  
Enhancing Learner-Centered  
Pedagogies with Gamification

### CP4101 B.COMP. DISSERTATION

- Engaged in Design Science research on Gamification and Education
- Studied existing literature and identified key challenges in gamifying education
- Reviewed different pedagogies and compared their effectiveness on learning
- Proposed for a synthesis of Learner-Centered pedagogy and Gamification
- Designed and developed a Gamified Learning Management System solution

## Co-curricular Activities

<b>NUSSU Rag and Flag</b>	Participated actively in the fundraising project by NUS Students' Union that raised a record-breaking S\$510,000 for 20 beneficiaries under Singapore's Community Chest.
<b>SRJC AVA Club</b>	<i>Head of Logistics</i> for the AVA club. Managed the allocation and scheduling of manpower and equipment for the AVA crew. Provided support for many school events and activities.
<b>National Software Competition</b>	Represented SRJC at the 22 <sup>nd</sup> NSC organized by Singapore Polytechnic and the Infocomm Development Authority of Singapore (IDA). Team leader for the SRJC team.

## About Me

As someone who has always been fascinated by the intersection of technology, design, and business, I constantly research and stay updated with the latest developments in the space. During my previous work at DSTA, I had the experience of working with project teams and managing the implementation and delivery of apps and services. After my stint with DSTA, I proceeded to further my studies and graduated from NTU with a Master of Science (MSc) in Information Systems. These days, I spend my free time staying tuned with the latest IT news and trading cryptocurrencies. For my hobbies, I enjoy photography and going for regular workouts at the gym. As someone who is always looking to grow, I am searching for exciting opportunities to work with talented and experienced teams to broaden my horizons. Having recently completed my studies, I am looking for a career that would allow me to actively contribute my fresh perspectives and out-of-the-box ideas to bring innovative projects into fruition.