

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

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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 – 1st 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



School of Computing

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

NUSSU Rag and Flag	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.
SRJC AVA Club	<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.
National Software Competition	Represented SRJC at the 22 nd 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.