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Education

Expect Doctor of Philosophy in Information Systems, Singapore Management University in 2014

Masters Degree in Information Systems, Nanyang Technological University, 2010

- Focus areas: Ubiquitous and mobile computing & software engineering.
- Critical Inquiry: Developed an image annotation gaming (GWAP: Games With A Purpose) with alternative competitive game modes with single user approach to address low user-pairing problem.

Bachelor's Degree in Electrical & Electronic Engineering, Nanyang Technological University, 2007.

- Major: Info-communication Engineering. Areas of study: Cyber Security, Computer Security, Computer Networking And Object-Oriented Programming Design.
- Develop Data Mining For Cyber Intrusion software for Final Year Project.

Diploma in Electronics, Communications & Computer, Singapore Polytechnic, May 1999.

- Majoring in Computer Systems Technology
- Final Year Project: Developed video subtitle editor software that allows editing, previewing and rendering of subtitles into video stream.

Research Interest

- · Mobile Systems & Ubiquitous Computing
- Human-Computer Interactions
- (Please refer to my research statement document for the full description)

Research Experience

Nanyang Technological University Research Associate (Research Staff) 2007 - 2010

- Team member in "Integrated Content-and-Context Aware Media Retrieval Systems for Mobile Media Applications" under the AStar Mobile Media Thematic Strategic Research Program.
- Deployment of research algorithms and integration of system components: backend and mobile devices (Windows Mobile and Google Android).
- Handled all implementation work in the following areas:
 - Client side development
 - Developed Windows Mobile and Google Android client front ends.
 - Server side development
 - Deployed Service-Oriented Architecture web services using both SOAP and REST.
 - Development of framework for system to bridge client, backend services and business logic (algorithms)
- Team lead in Mobile Media TSRP Program Demonstrator. Team in charged of a development of campus companion demonstrator that involves bringing all developed technologies covered by teams under Mobile Media TSRP.

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Teaching Experience

Singapore Management University

 Teaching Assistant For Undergraduate course in Mobile and Pervasive Technology.

• Aid in course management and administrative matters, guidance in course projects and grading of assignments.

Nanyang Technological University

- Course Assistant for Object Oriented Software Engineering Design
 - Aid in course activities such as guidance in mini projects and class assignment for a day course for industry.
- Mentoring for undergraduates in Final-Year Projects as well as undergraduate research experience program (URECA) and design and innovation project (DIP).
 - Aid in guidance, moderating and monitoring of undergraduates during the final-year projects.

Industrial Experience

ABS Computer Pte Ltd

2002 - 2005

Technical Support Engineer

- Assist in quality controllers (QCs) centered training in using testing and maintain testing equipment. This creates standardized procedures based on what the QCs can do and allow QC to acquire new skills that would benefit them for life.
- Participated in developing quality assurance procedures and tools. This
 enhances the learning process of the QCs and effectively strength quality
 control. This results in QCs increase automation for better efficiency.
- Redevelop technical support documentation that would cut miscommunication, facilitate and shorten the learning curve. This is done with short and clear language with pictorials technical guides and manuals.
- Development of demonstration software that effectively address the learning objectives of the customer's needs. Such as demonstrates the capability of the product to the customers. One such is the implementation of secured logon and transaction process using Dallas Semiconductor iButton design onto company Point-Of-Sales product.

Armour Training Centre, Singapore Armed Forces 2000 – 2002 Military Project Clerk National Servicemen Full-time. Rank: Corporal.

- Implemented in-house software program on data collection & tabulation for Individual Physical Proficiency Test (IPPT) across wireless LAN. For Armour Training Centre, Singapore Armed Forces. Improved overall work time from 1 week to 1 day as comparative contrast to a prototype system developing at DSTA (then).
- Implemented software program for Bar-coding & Tracking of publications for Armour Training Centre, Singapore Armed Forces. Reduce wastage of manpower for reprinting and tracking of publication.

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Other Qualification

 Completed ISO 9001:2000 Course conducted by SGS-SSC. Certificate Number: 03/702587/3290.

Computer Skills

- Operating Systems: MSDOS, Microsoft Windows, Linux
- Computer Languages: Java, Visual Basic/C#, C
- Scientific Applications: MATLAB
- Office Applications: Microsoft Office Suite.
- Web development: Web services (REST/SOAP)
- Databases: MySQL, ODBC, Microsoft Access.