

CAREER OBJECTIVE

My aim is to develop a career in technology management. My specific areas of interest are in intelligent systems and data analytics. My long term career goals include managing my own tech-related company/team on something that I am passionate about.

EDUCATION

Nanyang Technological University (NTU) - Singapore

Aug 2014 - Present

- Bachelor of Engineering Science (Computer Science) & Master of Science in Technology Management, Renaissance Engineering Programme (REP)
- Current CGPA: 4.91/5.0 (after Year 3), expected to graduate in Dec 2018

Northwestern University (NU) - Illinois, USA

Sep 2016 - Jul 2017

- 3rd year overseas exchange programme part of REP
- Segal Design Certificate (applying design thinking in team-based, cross-disciplinary settings)

TECHNICAL SKILLS

Programming Languages (in order of proficiency): Python, C/C++, HTML/CSS, Java, Javascript, C#

Software: Amazon Web Services (AWS), Unity3d, Arduino, Matlab, Solidworks, iMovie, Adobe Photoshop/InDesign

PROJECTS/AWRADS

NTU, Interdisciplinary Capstone Project

Aug 2017 - Present

- Team of 3 - lead programmer in designing and developing an AR-integrated teaching assistant that aims to improve the efficiency of workforce training

NU, Assists (Interdisciplinary Design Project)

Jan 2017 - Jun 2017

- Team of 5 - designed and developed an automated soccer passing training system for NU's men's soccer varsity team, using Arduino

NU, Trashifai, Best Social Hack & Top 10 teams

Nov 2016

- Team of 4 - lead programmer in developing a smart waste bin that sorts between trash and recyclables at NU's annual 36-hour college hackathon, using Arduino and Python

NTU, Sumobot, Inspector Gadget Award

Mar 2016

- Team of 5 - built an autonomous car robot for sumo-car competition using Arduino
- Awarded for best use of peripherals

PROFESSIONAL EXPERIENCE

PrydeVR - Illinois, USA

Dec 2016 - Aug 2017

CoFounder and Founding Engineer of startup from entrepreneurship project in NU

- Designed and implemented AWS + Unity3d backend infrastructure
- Conducted initial business development for startup

Cisco openBerlin - Berlin, Germany

Jun 2016 - Sep 2016

Overseas summer internship

- Researched on and applied microservices architecture on Docker and Mantl platforms

Ministry of Education - Singapore

Mar 2014 - May 2014

Relief Allied Educator at St. Andrew's Secondary School

- Conducted Mathematics lessons for lower secondary students

Singapore Police Force (National Service) - Singapore

May 2012 - Mar 2014

Neighbourhood Centre Police Officer (Punggol NPC), Sergeant

- Conducted frontline policing that involved patrolling, crime scene management and plain clothes duty

CO-CURRICULAR ACTIVITIES

NTU, Makers' Lab REP, President

Jun 2017 - Present

- Led planning and running of engineering bootcamp for incoming batch of 60 freshmen
- Leading a team of passionate makers in conducting workshops and events for the school (topics include Arduino programming, prototyping skills and design thinking)

NTU, REP Freshmen Orientation Camp, Chief Group Leader

Dec 2014 - Jul 2015

- Participated in the main organization of the camp
- Led fellow group leaders in welcoming the incoming batch of 50 freshmen through a 4 day camp

NTU, REClub, Welfare Sub Committee

Aug 2014 - May 2015

- Manage the welfare of the students in the course while being the bridge between the students and staff office
- Planned and executed yearly events such as sports day

HOBBIES & INTERESTES

- Soccer, Dance, Cycling, Kayaking, Hiking, Camping, Video Games, DIY projects