Zhang Ying

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EDUCATION

BComp in Computer Science
National University of Singapore, 2015-present

GCE 'A' Level Certificate
Meridian Junior College, 2013-2014

GCE 'O' Level Certificate
Anglican High School, 2009-2012

EXPERIENCE

NUS Student Hackathon: *NUS Data Science Student Challenge   (Hosted by Microsoft)* 2015
Participant

- Worked with Machine Learning software Azure ML
- Experimented with data and API provided by Data.gov.sg

Orbital: *NUS School of Computing* 2016

- Independent self-directed coursework
- Created a location-based game where players unite to fight against various bosses that spawn in NUS
- Experimented with mobile app development on iOS and Android
- Performed both front-end and back-end app development using Apache Cordova framework
- Enhanced the existing UI/UX provided by Cordova framework

Machine Learning and Data Science Summit: *GovTech, Microsoft, NUS* 2017

- First place winner
- Usage of Cortana Intelligence Competition Platform to tackle the problem of predicting how many drunk drivers are involved in traffic accidents with fatalities
- Created a Machine Learning model with the highest accuracy on Microsoft Azure platform

Azurenaut Weekend@NUS Hackathon: *NUS Hackers* 2017

- Created a travel planner web application with Bing Maps API
- Experimented with Microsoft Cognitive Toolkit in predicting and planning the best routes

Hack and Roll: *NUS Hackers* 2017

- Created a make-shift planetarium in a tent through dome projection of self-created web application onto a convex mirror
- Utilised NASA's online database to retrieve co-ordinates of stars

Data Science Intern: *Optimatic Pte Ltd* 2017

- Analysed and optimised database
- Created visual analytical dashboard for business development team
- Provided insights and ideas for new business ventures

Orbital Advisor: *NUS School of Computing* 2017

- Advised and guided 6 teams of students on their software engineering project
- Held technical workshops in Java to weaker students

TECHNICAL PROFICIENCIES

Programming Languages:

- C
- Java
- HTML/CSS
- JavaScript
- Python
- PHP
- C++

Query Languages:

- Oracle
- MySQL
- Postgresql

Others:

- Adobe Photoshop
- Adobe Indesign
- Adobe Dreamweaver