

Ho Shu Peng Xavier

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**Summary**

Constantly working on self-improvement, learning new skills, and venturing deeper into the world of business and computer science. Passionate in the field of analytics and a believer of using big data to make better managerial decisions. Enjoys developing applications to make life better to live in.

Education**Nanyang Business School, Nanyang Technological University, Singapore**

Bachelor in Business Analytics and Computer Science (Honours)

Aug 2018 – Present

Expected completion of degree: June 2022

On target for 1st Class Honours; Current GPA 4.52/5.0

Hwa Chong Junior College

GCE 'A' Level Certificate 88.75/90

2015 obtained

Work Experience**Seagate Singapore Int'l Headquarters Pte Ltd, Data Analytics Intern** May 2020 – Jul 2020

Implemented visualization tools for yield tracking and identifying causes affecting manufacturing efficiency. Developed software with various APIs to extract and write back millions of data to Hadoop and other automation functionalities. Identified causes affecting yields using analytical tools and increased yields from 88% to 93%.

BDO LLP, Full Stack Web Developer

Nov 2019 – Jan 2020

Developed a tax automation web application platform; automated processes such as tax computation and tax narrative using rule-based system; implemented web crawling with BeautifulSoup to perform analytics; deployed platform with Django, Python, CSS, JavaScript, HTML5.

Nullspace Group, Main Instructor

Dec 2017 – Oct 2018

Conducted lessons in Python, LEGO Robotics EV3, micro:bit, Arduino and WeDo; taught, handled, and engaged classes of up to 40 students (ages 5 to 17). MOE-Certified Main Instructor.

FXVDesigns, Freelance Designer

April 2018 – Sept 2018

Competent in graphic designing in software such as Illustrator, Photoshop and Affinity Designer; worked with Gong Cha Singapore to implement self-service kiosk software; helped to shape the overall branding of Thinker's Lodge.

KIDSCODE Pte Ltd In-House Training Executive

Feb 2018 – Jun 2018

Designed 5 education curriculum content using platforms such as micro:bit, Unity 3D, Scratch 3.0; implemented web design for local competition; implemented graphic design for posters and brochures; Organized and conducted tours for students attending KidsCode Spring Camp.

Co-curricular Activities / Community Services**NTU Computer Science and Engineering Club Subcommittee member**

Aug 2018 – Present

Generated business ideas as part of the business committee to raise funds; involved in marketing and selling of inventory

Team Ardor Executive Committee Member

Oct 2017 – Dec 2017

Spearheaded incubator programme. Worked as a graphic designer for marketing and publicity team to publicize initiative.

HCJC Guitar Ensemble Lead Designer Mar 2014 – Aug 2015
Designed various publications such as banners and posters for annual concerts and performances to garner hype; Increased publicity as measured by the sell-out of the tickets.

HeartCore Citi-YMCA, Organizing Team of HeartCore, Treasurer Mar 2014 – Dec 2015
Raised awareness for The Little Arts Academy; organized baking activities; raised funds through flag day & sold hand-crafted merchandise.

Hwa Chong Robotics Club, Executive Committee Member, Treasurer Jan 2013 – Dec 2014
Manage funds of the student-run club, including expenditures from quarterly purchases of inventory. Tabulated quarterly statements on inflow and outflow of cash.

Awards & Achievements

Nanyang College Scholarship 2018 - Present

Citibank Singapore Virtual Hackathon 2020
Top 4 Finalist

CleanTech Challenge 2020
Singapore Finalist

Accounting Innovation Challenge 2019
Top 4 Finalist

Crypto.com Case Competition 2019
Certificate of Participation

Shopee I'm The Best Coder Challenge 2019
Certificate of Participation

Hwa Chong Diploma 2015
Recognized by Hwa Chong for outstanding results & consistent performance.

Hwa Chong Robotics Club 2010 – 2014
Singapore VEX Robotics Competition Team Alliance Gold Award 2013
FIRST Lego League Competition Champions 2013
FIRST Lego League Open European Championships Overall 10th 2012
FIRST Lego League Competition First Runner-Up 2012
National Junior Robotics Competition Championship Award 2011

Skills

Written and Spoken Languages: English, Mandarin and Korean

Programming Experience: Java, Python, R, C, C#, mySQL, noSQL (mongoDB), Django, HTML5, CSS, JavaScript, XML, FireBase, Hadoop, Keras

Programming Skills: Machine Learning, Software Engineering & Design, Data Analytics, Sentiment Analysis, Web Scraping, Web App Development, Mobile App Development

Software Skills: Adobe Illustrator, Photoshop, Affinity Designer, Final Cut Pro X, Android Studio, RStudio, Unity, Unity 3D

Hobbies & Interest

Travelling, Graphic Designing, Sports (Basketball, Swimming, Football, Running)