



HO SHU PENG XAVIER

CONTACT

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ABOUT ME

I am constantly working on self-improvement, learning new skills, and venturing deeper into the world of business analytics and computer science.

Audeat-est-facere, or in English, To Dare is To Do, is the motto of my favourite football club, Tottenham Hotspur. It embodies the essence of fighting spirit, to not just do it, but to do it and not stop and try harder. It is about giving your 100% in everything you do, and hold the belief that hard work will always bring forth accomplishments. And even then, the journey itself is satisfaction.

EDUCATION

Bachelor in Business Analytics and Computer Science (Honours)

Nanyang Business School, NTU, Singapore / Aug 2018 to Present

Expected completion of degree: June 2022

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

GCE 'A' Level Certificate

Hwa Chong Junior College / 2014 - 2015

Rank Point: 88.75/90

WORK EXPERIENCE

Data Analytics Intern

Seagate Singapore Int'l HQ Pte Ltd / 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%.

Full Stack Web Developer

BDO LLP / 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 beautiful soup to perform analytics; deployed platform with Django, Python, CSS, JavaScript, HTML5.

Main Instructor

Nullspace Group / 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.

Freelance Designer

FXVDesigns / 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.

In-House Training Executive

KIDSCODE Pte Ltd / 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.

LANGUAGES

Written & Spoken:

English
Mandarin
Korean

SKILLS

Programming Experience:

Java, Python, C, C#
mySQ, noSQL (mongoDB),
Hadoop
HTML5, CSS, JavaScript,
PHP, Django
Keras, R

Programming Skills:

Machine Learning
Software Engineering
Data Analytics
Sentiment Analysis
Web Scraping
Web App Development
Mobile App Development

Software Skills:

Adobe Illustrator
Adobe Photoshop
Affinity Designer
Final Cut Pro X
Android Studio
RStudio
Unity
Unity 3D

INTERESTS

Travelling
Graphic Designing
Basketball
Swimming
Football
Running

CCA / COMMUNITY SERVICES

Subcommittee member

NTU Computer Science and Engineering Club Aug 2018 – Present
Generated business ideas as part of the business committee to raise funds;
involved in marketing and selling of inventory

Executive Committee Member

Team Ardor / 2017
Spearheaded incubator programme. Worked as a graphic designer for
marketing and publicity team to publicize initiative.

Lead Designer

HCJC Guitar Ensemble / 2014 - 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.

Treasurer

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

Executive Committee Member, Treasurer

Hwa Chong Robotics Club / 2013 - 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

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
VEX Robotics Competition Team Alliance Gold Award / 2013
FIRST Lego League Competition Champions / 2013
FIRST Open European Championships Overall 10th / 2012
FIRST Lego League Competition First Runner-Up / 2012
National Junior Robotics Competition Championship Award / 2011