

Pua Cheng Xuan Frederick

NUS Computer Engineering Undergraduate

Fast Learner, Willing to learn and willing to work hard

✉ puachengxuan.fp@gmail.com

☎ 81191128

📍 Singapore, Singapore

EDUCATION

Computer Engineering Y1 National University of Singapore

08/2022 - Present

4.6 CAP

Modules

- CS1010 Programming Methodology A+
- CG1111A Engineering Principles and Practices I

Integrated Programme (IP), A' Levels Hwa Chong Institution

01/2014 - 12/2019

88.75 Rank Points 4H2 (PCME)

Achievements

- H3 Physics Distinction
- Hwa Chong Diploma with Distinction
- Singapore Youth Festival High Distinction (String Orchestra)

WORK EXPERIENCE

Sales Associate Sketchers

01/2022 - 01/2022

Northpoint City

Achievements/Tasks

- Provided relevant information on various shoe type to customer
- Provide good customer service to walk-in customers

Pick Packer Nippon Express

11/2021 - 12/2021

Jurong East

Achievements/Tasks

- Help with the in-processing, picking, packing and out-processing of low level electronics at the warehouse

Project Intern Defence Science and Technology Agency

02/2022 - 06/2022

Singapore

Air Systems Department

Achievements/Tasks

- Developed a mixed reality training module for the flight line crew for the Republic of Singapore Airforce. Familiar with the use of C# and Unity used commonly for game development and MRTK and PUN2 used commonly for mixed reality development
- Data analysis for the MRTT for the Republic of Singapore Airforce. In charge of collecting and decrypting of unclassified aircraft flight parameters data. Task to clean large amount of aircraft flight parameters data and trend finding using jupyter, python, pandas and relevant libraries
- Learning of UIPath for the potential automation of admin processes within the air systems department

SKILLS

C++/C

Python

Javascript

ReactJs

UIPath

C#

Unity3D

HTML5

CSS

Bootstrap

PERSONAL PROJECTS

DSTA BrainHack Cyber Defenders Discovery Camp (05/2022 - 05/2022)

- Participated in the CTF (Capture the flag) event and learnt a lot about cybersecurity and its importance

Govtech Stack the flags (12/2022 - 12/2022)

- Participated in STACK the Flags, a 48-hour, online jeopardy style Capture-the-Flag competition organised by GovTech's Cyber Security Group.

CERTIFICATES

Data Analysis with Python (04/2022 - Present)

Competent in reading data from CSVs and SQL, and how to use libraries like Numpy, Pandas, Matplotlib, and Seaborn to process and visualize data.

Statistics for Data Science and Business Analysis (04/2022 - Present)

Learnt the use of Statistics for the analysis of larger amount of data such as regression analysis and hypothesis testing

Top Students for Programming Methodology (01/2023 - Present)

Placed among the top student in a class of 252 students for AY2022/2023 Semester 1

LANGUAGES

English Language

Native or Bilingual Proficiency

Chinese Language

Native or Bilingual Proficiency

French Language

Elementary Proficiency

INTERESTS

- Part of NUS UTCP Programme staying at Residential College 4

- Joined RC4 Basketball and RC4 Floorball for recreational sports

- Joined NUS Taekwondo as a beginner