

YAN HOI PUK, PHILIP

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Qualifications

Education

- MEng Electronic and Information Engineering – Imperial College London (2019 – 2023)
- Grade Achieved: First in 1st year, Upper Second in 2nd year
- International Baccalaureate Diploma Program – Diocesan Boys' School (2014-2019)
- Grade Achieved: 41/45 with 7 in Mathematics, Physics and Economics Higher Level

Work history

Part-time Undergraduate

COMPANY NAME: ARM LIMITED

April 2022 – Present

- Software Engineer at Fast Model Team
- Responsible for Performance Monitoring Unit update for v8/v9 – A/R class CPU Architecture

Digital Business Analyst Internship

COMPANY NAME: ACCENTURE (HK) LIMITED

August 2021 – October 2021

- Participated in the Agile application development cycle for an application for insurance company
- Formulated User guides and User requirements for the client application

Courses and Projects

Computer Architecture

- Advanced Computer Architecture – CPU Profiling and SimpleScalar simulator
- Instruction Set Architecture and Compiler – MIPS CPU and C-to-MIPS compiler
- Digital Electronics and Computer Architecture – MUo CPU Project

Software Engineering

- High Level Programming – F#, Interactive Schematic Simulator with Integrated Editor (ISSIE)
- Introduction to Machine Learning – Decision Tree and Mini Neural Network Library
- Information Processing – Pong Game using FPGA, AWS, UDP
- Engineering Design Project II – Mars Rover (Command Module)
- Engineering Design Project I – Circuit Simulator

Others

- Robotics – Robotics Simulation using CoppeliaSim (Monte Carlo Localisation and SLAM)
- Embedded Systems – An IOT device built on Raspberry Pi and a digital piano built on STM32
- Communication Network – Optimal Routing problem and protocols in OSI Model, Discrete Mathematics – data structures and algorithms, Software System – SQL, Network protocols and ER Diagrams, Network and Web Security, Mathematics for Engineers I/II, Communication, Control Systems

Skills

Python / C++ / SQL / JavaScript / HTML / Git / Verilog / TCP / UDP / Jira / F# / Matlab