

Wing Luk
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QUALIFICATIONS

- ◆ 2 years of experience in electronic design, including circuit and PCB design, FPGA and MCU programming, test and debugging
- ◆ Programming skills (Python, C++) developed through projects in university and at work including designing a computer game, application with OpenCV, programming a stm32 controller and developing test program for hardware with C.

WORKING EXPERIENCE

- Electronic Engineer, ASM Technology Hong Kong Limited*** Oct 2019 – Dec 2021
Responsible for product design and development
- Design circuit (ADC convertor, DC/DC convertor etc.)
 - Guide and review PCB layout designs
 - Develop firmware for FPGA and MCU
 - Create function test (FCT)/burn-in test program using C
 - Create design, production, and testing documents
 - Support users and manufacturing process
 - Collaborate with test lab to conduct electromagnetic compatibility test (EMC)/electromagnetic immunity test (EMI), highly accelerated life test (HALT), accelerated life test (ALT) to fulfil the IEC standard and user requirement
 - Troubleshoot using lab equipment
- Student Helper, Center for the Development of the Gifted and Talented-Enrichment Program for Gifted Learners, Summer 2018*** Jul 2018
- Prepared electronic components and tools for the program
 - Coached students to use common electronic components (e.g. integrated circuit, LED and infrared receiver) to construct electronic gadgets (e.g. electric piano)
- Project assistant for sports development (part-time), Student Affairs Office, HKUST*** Sept- Dec 2017
- Data entry for health & fitness Assessments and course survey
 - Managed inventory and stock of sports equipment, team uniforms, and souvenir etc.
 - Conducted health & fitness assessments
 - Managed students' registration, assessment schedule and attendance
- Intern, Mass Transit Railway (MTR) Shatin Central Line (SCL) Electrical and Mechanical Department*** Jun- Aug 2017
- Assisted in factory acceptance tests
 - Performed electromagnetic compatibility tests
 - Visited construction site with senior engineer
 - Took minutes and followed up on projects

EDUCATION

- ◆ Bachelor of Engineering in Electronic Engineering, The Hong Kong University of Science and Technology (HKUST) 1st Hon 2015 – 2019
- ◆ Exchange in School of Information and Communication Technology of KTH Royal Institute of Technology in Sweden Jan-Jun 2018

EXTRACURRICULAR ACTIVITIES

- ◆ Team member, Robotics Team (Smartcar Subteam), HKUST
- Participated in The NXP Cup National University Students Intelligent Car Race 2016
- Drew PCB layout using Altium and solder PCB board
- Constructed mounting using Solidworks and 3D print
- Programmed on K60 32-bit microcontroller
- ◆ Captain, Women's Football Team, HKUST
- ◆ Executive committee member of student's football club and softball club, HKUST
- Organized camps, matches and other team events
- ◆ Church pianist