

# POK WAH CHAN (BILL)

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## EDUCATION

- MSc in Computing (Management and Finance)** Oct 2020 -Oct 2021  
Imperial College London, United Kingdom
- BEng in Computer Science & BBA in General Business Management** Sep 2016 – Jun 2020  
Hong Kong University of Science and Technology (HKUST), Hong Kong SAR
- ♦ Dual Degree Program | CGA 3.66 / 4.0 | First Class Honours on both degrees | Dean's Lists | HKUST Admission Scholarship | Shanghai Commercial Bank Scholarship

## WORK EXPERIENCE

- BANK OF CHINA (HONG KONG) – FinTech (Application Development) Intern** Jul 2020 - Present
- ♦ Coordinated interdepartmental effectively in system requirements analysis, design, and evaluation on 3+ banking Robotic Process Automation (RPA) projects.
  - ♦ Designed and developed Auto-Password Changer for core banking systems and Daily Deposits & Loans Reporting System for Asset Liability Management & Management Reporting and Analysis department using Blue Prism RPA.
  - ♦ Applied ETL process and implemented a banking liquidity monitoring system based on processed data from various data sources/portals (i.e., SAP by HKICL, internal CIPS and CMI system).
- IMAGINE SOFTWARE (HONG KONG) – Financial Technology Intern** Dec 2019 – Jan 2020
- ♦ Processed 10K+ Reuters market data to facilitate P&L/Cash reconciliation analysis and data cleansing using JavaScript & Python. Validated inputs and payoff of pricing models against term sheets of OTC structured products.
  - ♦ Improved new security uploading system with additional automation support for convertible bonds. Deployed to proprietary Imagine Financial Platform within 1 month of development.
  - ♦ Implemented enhancement for data integration and associated technologies across the full stack of the Imagine Financial Platform, submitted 10+ success pull requests with approval.
- THALES TRANSPORT & SECURITY (HONG KONG) – IVVQ T&C Software Intern** Jun 2018 – Nov 2018
- ♦ Developed Automated Tool for conducting DDQS workflow testing on the main control system of Sydney Metro and Hong Kong MTR through point-to-point connection between station equipment and central server using Java.
  - ♦ Integrated Execution Report feature to existing testing software, to support exporting testing history to a standardized format for management Inspection. Implementation is based on Java Apache POI and Excel.
  - ♦ Implemented full-stack Real-time trend online platform for monitoring station equipment data using Angular 5, and integrated to the ongoing Shatin-Central Link project.
- CHINA LIGHT & POWER (HONG KONG) – IT Intern** Jun 2017 – Jul 2017
- ♦ Created Monitoring Dashboard for managing and tracking 2K+ construction permit's progress via Excel VBA.
- METEORSPARK (HONG KONG) – Quality Assurance Engineer (Part-Time)** Apr 2017 – Jun 2020
- ♦ Implemented automated & manual testing for releasing product versions via Jest & Puppeteer based on Chromium, then prepared detailed logs and reproduction steps for each version from v1.40.0 to v3.52.0 (300+ versions).
  - ♦ Formed 100+ automated regression test cases on website while adhering to established website quality standards.
  - ♦ Inspected and executed penetration testing regularly to identify security loopholes (XSS and CSRF vulnerabilities).

## LEADERSHIP EXPERIENCES

- Deloitte China's Fourth Digital Difference Camp (Finalist) – Solution Developer** Jun 2020 – Jul 2020
- ♦ Proposed innovative data-driven shelf optimization system for China supermarket retailer to achieve optimal shelf assortment plans with 2-5% like-for-like projected annual sales growth during the Semi-Final competition.
  - ♦ Collaborated with a team of five in prototyping and presenting retail site selection tools for the domestic beauty industry to incorporate 'New Retail' concept based on big data analysis in social data, geographic data and POI data.
- HKUST Path Advisor Image-based Localization – Team Leader & Presenter** Apr 2019 – Jun 2020
- ♦ Developed and trained a multi-class image classification model (Support 116 locations), along with feature matching algorithms to support image-based campus-wide localization features, using Keras, TensorFlow and OpenCV.
  - ♦ Achieved 60.12% and 84.74% accuracy for exact matching and Top-5 matching to locate users within the campus (116 locations), and obtained approval to be included as the official university guidance utility.
- Thales Project Arduino 2017 (Global Top 3) – Team Leader** Oct 2017 – Dec 2017
- ♦ Designed and implemented Arduino-based aircraft marshaling system using OpenCV & PixyCam.
  - ♦ Won Global Top 3 in Thales Arduino competition based on creativity of our product on Thales's Aerospace market.

## LANGUAGES & PROFESSIONAL SKILLS

- ♦ **Languages:** English (Proficient), Mandarin (Native), Cantonese (Conversational)
- ♦ **Professional Skills:** Java, Python, Angular, PHP, SQL, NoSQL, Keras, Excel, Tableau, Gephi, PowerBI, Blue Prism