Pok Wah CHAN

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Imperial College London

EDUCATION

Imperial College London - Master Degree, MSc Computing (Management and Finance)	Oct 2020 - Oct 2021
Hong Kong University of Science and Technology (HKUST) - Dual Bachelor Degrees, BEng Computer Science & BBA General Business Management	Sep 2016 - Jun 2020

- CGA 3.64 / 4.0 (Top 10%) | First Class Honours on both degrees | Dean's Lists | HKUST Admission Scholarship | Shanghai Commercial Bank Scholarship

PROFESSIONAL EXPERIENCE

MeteorSpark (Hong Kong) - Quality Assurance Engineer   Apr 2017 - Present

- Implemented automated testing & manual testing for releasing product versions via Jest and Puppeteer based on Chromium, then prepared detailed logs and reproduction steps for each version from v1.40.0 to v3.42.0 (250+ versions).
- Formed 100+ automated regression test cases on website while adhering to established website quality standards.
- Inspected and executed penetration testing regularly to prevent security loopholes such as XSS, session fixation and CSRF vulnerabilities.

Imagine Software (Hong Kong) - Financial Technology Intern   Dec 2019 - Jan 2020

- Processed 10K+ market data retrieved from Reuters to facilitate P&L/Cash reconciliation analysis and data cleansing using JavaScript and 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) Ltd - 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 using Java, Hibernate ORM and SQLite, successfully facilitated automated testing on the point-to-point connection between station equipment and central server using protocols Modbus, IEC-104 and CLP.
- Materialized Execution Report feature, to support exporting testing history to a standardized format for management Inspection. Implementation based on Java Apache POI and Excel.
- Implemented full-stack Real-time trend online platform for monitoring station equipment data using Angular 5, and STOMP WebSocket Interface for retrieving data from proprietary SCADASoft connector, integrated to the ongoing Shatin-Central Link project.

China Light & Power (CLP Hong Kong) - Software Engineer Intern   Jun 2017 - Jul 2017

- Researched and developed Monitoring Dashboard for managing and analyzing 2K+ construction permits' progress and status. The dashboard is presented using Excel VBA, while data analysis is handled via Python.
- Participated and collaborated with a team of five in construction management solution exploration, sourcing, analysis, evaluation and recommendations.
- Implemented automation improvement on the current data handling system, including contractor monthly high-risk activities reporting system, KPI reporting system, etc.

PROJECTS

Fidelity International Academy - Financial Analyst   Sep 2019 - Jun 2020

- Managed $250K USD equivalent paper portfolio into listed shares on Asian major exchanges using fundamental analysis, resulted in a 14.86% positive return.
- Conducted research into drivers of Earnings and Returns for selected shares, pitched thesis to senior manager in Fidelity.

HKUST Path Advisor Image-based Localization - Team Leader & Presenter   Apr 2019 - Jun 2020

- Developed and trained multi-class image classification model (Support 116 locations), along with feature matching algorithms to support image-based campus-wide localization feature, using Keras, TensorFlow and OpenCV.
- Achieved 60.12% and 84.74% accuracy for exact matching and Top-5 matching to locate users anywhere within the campus, with acceptance to be included as the official university guidance utility.

Thales Project Arduino 2017 - Team Leader   Oct 2017 - Dec 2017

- Designed and implemented an Arduino-based aircraft marshaling system using OpenCV and PixyCam for image processing.
- Won Global Top 3 in Thales Arduino competition based on the creativity of our product on Thales's Aerospace market.

MISCELLANEOUS

- **Professional Skills:** Java, Python, Angular, PHP, SQL, MongoDB, Keras, Excel, Tableau, Gephi, PowerBI
- **Certifications:** Data Science: Statistics and Machine Learning (Coursera Certificate)
- **Languages:** English (Proficient), Chinese (Native)