Wan Chung Hang, Louis

E-mail: [chwanlouis@gmail.com](mailto:chwanlouis@gmail.com)

Profile

Professional statistics and finance graduate with wide ranging experience of statistical analysis, machine learning techniques and software engineering. Seeking to combine academic works and experience in a challenging role.

Work Experience

|  |  |
| --- | --- |
| 2020 MAR – NOW | Consultant  **GreySpark Partners – Hong Kong**  Project 1: SFC – DSOL data analystics platform  SFC have regular inspections of active securities brokers. This data analytics project tries to identify irregular transactions with higher performance. The platform can check any activity violating regulation or code of conduct with aid of rules set and machine learning algoithms.  Project 2: CEBI – Bloomberg to Calypso data-uploader  This Spring app help our client manage the trade from Bloomberg TOMS. With our business logic, trade record with be processed and uploaded to Calypso by using Java APIs.  Project 3: HaiTong   1. Python support developer (Front Arena)   Work as a consultant to provide supporting service to deploy Front Arena, a trade management software. Python packages will be used for different financial calculation and reporting.   1. Java developer (Fidessa-DSOL data mapper)   Transform data from Fidessa system into DSOL format. Several tools like Oracle, Spring JPA and various of Java libraries are used to build this service.   1. Airflow project (development and deployment)   Airflow is a linux-based workflow management tools. Distributed system is needed to be setup for multi-node task worker. |
| 2017 NOV– 2020 MAR | Junior Trader & Programmer  **Run Hua Investments Group Company Limited**   * A team of three people (with Data scientist & Chief dealer) handle a fund size of 20M HKD with varies of futures products as scope * Build a python-based semi-automated trading software for the team which consists of different data feeder(Reuters, Bloomberg), broker(Interactive brokers) with business logic. Managing data and file storage, cleaning and generating daily digest * Develop new trading strategy, financial market research, trade order management and risk control, reporting and portfolio summary is also needed in daily-basis or as an ad-hoc job. |
| 2015 JUN – 2017 NOV | Engineer, Data Analytics (Promoted from Project Intern  on 2016 JUN)  **Hong Kong Applied Science and Technology Research Institute (ASTRI)**  Project 1: Jewelry products recommendations and market research  Project 2: Algorithm trading and financial modelling |
|  |  |

Education and Qualification

|  |  |
| --- | --- |
| 2020 | DeepLearning.AI TensorFlow Developer  **DeepLearning.AI via Coursera**  This specialization consist of four course about deep learning model teachnique like image processing, natural language processing and time series data modeling.  **https://coursera.org/share/2a9ab4000e9d33be422d450a786066b4** |
| 2017 – 2019 | Machine Learning Engineer Nanodegree  **Udacity**  Learn to apply predictive models to massive data set in different fields like finance, economics or robotics  Capstone project: **https://github.com/chwanlouis/udacity\_capstone\_project\_sunlife**  This project is going to build a robo-advisor to adjust the MPF distributions by using of machine learning techniques and software developing skills.  Online Certificate: **https://confirm.udacity.com/DHPGSL6D** |
| 2011 – 2015 | BSc(Hons) in Investment science  **Hong Kong Polytechnic University**  This programme is combine with statistics and finance which study the economy in quantitative way. |

Publication

# S. S. Y. Ng ; W. Zhu ; W. W. S. Tang ; L. C. H. Wan ; A. Y. W. Wat 2016. An independent study of two deep learning platforms - H2O and SINGA. IEEE International Conference on Industrial Engineering and Engineering Management

Projects

|  |  |
| --- | --- |
| 2018 JUN – 2018 AUG | Freelancer (hired by Procter & Gamble via **Upwork)**  Profile: [**https://www.upwork.com/o/profiles/users/~017c0520ed03e27b5a/**](https://www.upwork.com/o/profiles/users/~017c0520ed03e27b5a/)  Project: SR132a Phase 2 (ML part) Automation and downloading of data from SAP and a website to create DataHub (Feedback：5 out of 5)  Job Duties:   1. Understanding customers needs and discuss with customer IT team for project requirement and provide business solution. 2. Build software for data cleaning, preprocessing job and modeling. 3. Provide software documentation and present to the customer about ideas behind. |

Skills

1. Languages

* Cantonese, English, Putonghua

1. Programming Languages

* Python with varies packages
* Scientific computing (numpy, scipy)
* Data managing library (pandas, sqlalchemy)
* WebApp libraries (flask, BeautifulSoup)
* Machine Learning libraries like (scikit-learn, tensorflow, keras, opencv)
* Data API like Reuters (eikon), IB gateway (ibapi), Bloomberg API
* R
* Java (Spring data, JPA)
* Basic Linux and Shell Script
* SQL