iPYGG

1. Brief company information
iPYGG is a Hong Kong-based fintech application that provides personal finance management services to users by consolidating their financial data from banks through open banking data-sharing principles. It provides planning, saving and investment advisory to facilitate wealth management for the retail segment through asset evaluation, competitive interest-rates, automated taxation and portfolio management.

2. Total 5 interns we would like to hire, 2 Full stack app developer; 2 Machine Learning, 1 UX Designer.

3.1. Full stack developer,

**Job Position:**               Full-Stack Developer/ Software Engineer

**Employment Mode:**    Summer Internship

**Compensation:**           HK$ 10,500

**Commencement:** June 2021 – Aug 2021

**Duration:**2-3 months contract (renewable)

**Duties:**

● Responsible for full-stack development of cross-platform fintech application

● Write defensive production-grade code with emphasis on readability, modularity, and reusability

● Integrate different modules of the application and build sustainable systems with well-documented code and focus on Agile software development principles

● Demonstrate interest in learning about the fintech ecosystem and various stakeholders involved

● Make suggestions on improvements and participate in the implementation of approved improvements throughout the supported systems/applications architecture

● Participate in monitoring and maintenance of business applications and production environment

● Work closely with the product team for project implementation, enhancement, troubleshooting and debugging

● Participate in discussions on new technologies and their applications to the product

**Job Requirements:**

● University student or fresh graduate from Computer Science, Computer Engineering, Financial Engineering, Information Technology, Electrical Engineering or other STEM majors

● Experience developing web applications or hybrid mobile applications for personal or professional purposes

● Experience with technologies like Ionic 5, Angular, React, HTML5, CSS and php

● Fundamental understanding of client-server communication, REST API and MVC architecture

● Self-driven candidate that can take responsibility and work independently whilst collaborating with others

● 5-day work week

**Good to have:**

● Experience developing native mobile applications (Android with Java/Kotlin, iOS with Objective-C) is a plus

● Familiarity with container-orchestration systems like Kubernetes and Docker

● Experience with cloud services (AWS, Azure) and database management systems like MySql

3.2. **Job Position:**               Machine Learning Developer

**Employment Mode:**   Summer Internship

**Compensation:**           Negotiable (based on relevant experience)

**Commencement:** June 2021

**Duration:** 2-3 months contract

**Duties:**

● Explore machine learning methods for portfolio construction and risk management

● Perform NLP research on transaction classification for predictive modeling

● Responsible for data pre-processing, model training, hyperparameter tuning, performance evaluation and deployment

● Write automation scripts for internal processes and open-source data scraping

● Demonstrate interest in learning about the fintech ecosystem and various stakeholders involved

● Write defensive production-grade code with emphasis on readability, modularity, and reusability

**Job Requirements:**

● University student or fresh graduate from Computer Science, Computer Engineering, Financial Engineering, Information Technology, Electrical Engineering or other STEM majors

● Strong understanding of different machine learning techniques (clustering, decision tree learning, artificial neural networks)

● Knowledge of statistical techniques and concepts (regression, time series analysis, statistical tests.)

● Experience with Python libraries (pandas, numpy, scikit-learn, selenium etc.) for data processing and process automation

● Proficiency with a deep learning framework such as TensorFlow or Keras

● Experience with database management systems like MySQL

● Solid knowledge of computer science fundamentals including algorithms, data structures, databases

● Ability to document and present research in a methodological manner

● Self-driven candidate that can take responsibility and work independently whilst collaborating with others

● Strong problem-solving skills with an emphasis on product development and research

● 5-day work week

**Good to have:**

● Familiarity with fundamental portfolio management concepts like MPT, CAPM and basic risk metrics