Intern Analyst - Advanced Analytics/Machine Learning

Employment Type: Internship

Employment Mode: Full-time

Company Name (Eng): A50 Real Assets Limited

Address: Office 1116, 11/F, 133 Wai Yip Street, Kwun Tong, Kowloon

Nature of Business: Real Estate / Property

Origin of Company Ownership: Hong Kong

No. of Employees: 1-10 employees

Position Offered: Intern Analyst - Advanced Analytics/Machine Learning

No. of Vacancies: 1

Job Nature: IT / Programming

Job Description:
We are a boutique advisory firm focusing on overseas alternate real estate investment opportunities for high net worth investors from Hong Kong. Our current focus is US Student Housing investments. The firm is founded by a seasoned corporate banker, who is also an EMBA Adjunct Professor at City University of Hong Kong.

This is an internship opportunity for STEM students, who are aspired to leverage on their STEM education for advanced application of data extraction/machine learning technique in a real business setting. The internship is scheduled for 3 months full time basis this summer.

Job holder will be responsible for supporting fellow analysts and the Managing Principal in researching into the supply demand dynamics of target cities, help formulating optimal pricing models for our target assets, and building up an Operating Cost database for Student Housing assets in the US, all through rigorous data analysis. This role is to supplement our plan to move towards applying machine learning/sentiment analysis in our core US real estate business, as well as supporting the Engineer in our newly founded sports equipment start-up side business.

Responsibilities

1. Apply statistical analysis & modeling techniques with finance intuition across large, complex data sets.

2. Conduct end to end analysis from data extraction, data processing, building models, running experiments, to making recommendations and presenting results.

3. Contribute to data sourcing strategy across multiple industry data verticals supporting our prediction efforts.
4. Contribute to the design of predictive model based on real time visual imagery.

Skills & Requirements

Graduation Year: 2021 or 2022

Fields of Study:

Master/Bachelor STEM Majors, which are under the school's List of Eligible STEM courses for the Innovation and Technology Commission (ITC) STEM Internship Scheme.

a. Experience with statistical methods such as linear models, multivariate analysis, stochastic processes, and sampling methods.

b. Strong Python skills along with exposure with frameworks like Tensorflow, PyTorch, Pandas, Numpy.

c. Experience with building robust models around low latency real time visual data is a plus.

Basic familiarity with OpenCV.

d. Knowledge in Natural Language Processing (NLP) preferred, though not necessary.

| Basic Salary: | HKD 10500 per Month |
| Work Location: | Hong Kong |
| Fields of Study Required: | All disciplines |
| Level of Award: | Bachelor, Master |
| No. of working hours per day: | 8 |
| No. of working days per week: | 5 |