

## Master Project / Internship

### Multi-Family Office and Financial Advisory Boutique – Hong Kong

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CIGP Hong Kong ([www.cigp.ch](http://www.cigp.ch)) is part of a Swiss multi-family office and financial advisory boutique with operations in Geneva (HQ), Dubai, Milan and Hong Kong. Our activities cover private wealth & asset management, as well as financial advisory services to an international and entrepreneurial clientele, looking to develop and invest in Asia. CIGP's investment scope spans globally across the public and private markets.

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In order to continue to innovate, CIGP is looking to offer a Master in Engineering candidate the possibility to perform its Master Project / Internship with CIGP in Hong Kong in order to establish the following **general proof of concept**:

- 1) Creation of an integrated trading, monitoring and auditing platform linking the following functions:
  - User interface, web-based [*to be created*]
  - Internal IT system [*existing*] (which is provided by a globally renowned financial institution), whose main functions are:
    - Order management system (OMS)
    - Portfolio management system (PMS), as well as
    - Back office / accounting / reporting platform.
  - Information providers [*existing*]
    - Bloomberg
    - Factset
  - External brokers [*existing*]
  - Custodian banks [*existing*]
  - CRM (see point #3) [*existing*]
  
- 2) Creation of a proprietary algorithm that will perform the following tasks [*to be created*]:
  - Definition of optimal investment objectives according to risk (volatility, credit risk, liquidity risk, etc...) / reward measures:
    - i. Creation of user interface (web-based or intranet-based);
    - ii. Definition of the investable universe; and
    - iii. Optimisation.

- Back-testing of pre-defined investment strategies based on defined universe;
- Optimisation of the strategies / asset allocation according to investment objectives; and
- Systematisation of trading orders (i.e. offering direct market access (“DMA”) to end-users) post above risk/reward optimisation.

3) CRM / Client data management

- Further development and integration of CRM system *[existing]* into above integrated platform (point #1)
  - i. Improvement of existing CRM platform;
  - ii. Integration of existing CRM platform into above (point #1) platform; and
  - iii. Development of proprietary interface and database in order to communicate securely with existing client base *[to be created]*.
- Client on-boarding platform *[existing]*
  - i. Convert and integrate existing on-boarding platform & processes; and
  - ii. Convert current – “regulator imposed” – processes into standardised digital process.

4) Online co-investment platform *[to be created]*

- Individual, secured access to web-based private-investment database for information sharing purposes (online data-rooms on individual projects).

**Requirements**

- Previous degree in Computer Science & Engineering / Communication Systems / Programming / Financial Engineering;
- Languages: full working proficiency in English. Additional language(s) is(are) a plus;
- Personal skills: entrepreneurial spirit, curiosity, autonomy and proactivity; and
- Hong Kong-based.

**Other**

- Compensation: in line with market practices; to be discussed based on Applicant’s experience;
- Application process will include the provision of a (i) a cover letter, (ii) Curriculum Vitae (CV), (iii) reference letters from prior employers (if any), as well as (iv) diploma certificates.

If interested, kindly send the above to [careers@cigp.ch](mailto:careers@cigp.ch)