Placement Student Programme (IT)(Application Support 2) 2020-2021

Company:	Hong Kong Monetary Authority
Division:	Information Technology Division
Intended remuneration:	HK$ 10,500 per month
Benefits:	Medical and dental benefits
Total no. of vacancy:	1
Duration of placement:	9 months (around October 2020 to June 2021)
Deadline for application:	9 September 2020
Interview period:	September 2020
Application Method:	Apply online (https://erecruit.hkma.gov.hk/E_Terms.php?RefNo=S00010676-1A&JobSourceType=U&SourceType=60&JobSource=43)

IT Application Support 2 Section
(1 programmer vacancy)

Duties:
- To assist in system enhancement to cope with regulatory requirements for prudential banking supervision and explore the opportunity for enterprise systems integrations between the HKMA and banks
- To assist in performing financial and statistical data analysis with business intelligent tool.
- To assist in evaluating the latest IT products and technologies, e.g. data encryption & security, to enhance the security of application infrastructure.
- To assist in performing security risk assessment and mitigation.
- To assist in research, design and advocate new technologies.

Requirements:
- Major or minor in Computer Science or relevant subjects with computer programming experience in any computer languages.
- Basic knowledge of some of the following items is desirable. On-the-job training by supervisor will be provided on.
  - ❖ Computer languages:
    - Oracle SQL, Microsoft Visual Basic/.NET, Excel development tools
    - Internet programming languages including Java, Javascript, HTML, HTML5, CSS3, PHP, XML, Dreamweaver and Flash

- o Mobile application programming languages such as Objective-C, Android SDK
- ❖ Database management systems:
  - o Oracle database
  - o Microsoft SQL server database
- ❖ Application server
  - o J2EE application server (WebLogic)
- ❖ Operation systems:
  - o Microsoft Windows
  - o Oracle Solaris
  - o Some experience on using Linux is also welcome
  - o Financial risk and stress test modeling
- ❖ Cyber security review:
  - o Penetration test and scanning
  - o Intrusion prevention and detection
  - o Vulnerability assessment
  - o Security incident forensics and investigation
  - o Data encryption and digital signing