**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](https://erecruit.hkma.gov.hk/E_Terms.php?RefNo=S00010676-1A&JobSourceType=U&SourceType=60&JobSource=43))

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