Nurul Khairin binti Abdul Rashid

PERSONAL INFORMATION

Gender: Female | Nationality: Singaporean | Age: 27
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CAREER OBJECTIVES

Gain useful experience and improve capabilities in analytics.

EDUCATION QUALIFICATIONS

Bsc in Business Analytics   **est. completion June 2023**
Singapore University of Social Sciences
- Analytics courses taken:

SAS Programming and its Application	B+
Text Mining and Applied Project Formulation	B
Predictive Modelling	C+
Data Visualization for Business	B
Fundamentals of Data Mining	B-

Diploma in Medicinal Chemistry   **April 2013 - May 2016**
Nanyang Polytechnic
- Final Year Project   A

Characterization of Airborne Particulate Matters Collected
From Indoor Atmosphere of Childcare Centre
- Use SEM-EDX to assess morphology & elemental composition
- Performed high content screening to test toxicity levels of particles

WORKING EXPERIENCES

National Environment Agency, Meteorological Service Singapore
Senior Meteorological Assistant   **Sep 2021 - Present**
- Monitor performance of data processing and collection systems
- Ensure timely availability of data in support of weather monitoring and forecasting activities
- Collate and perform quality check of operational aviation meteorological information
- Ensure products provided through internet and web portals and communication services are up-to-date and accurate

Certis Cisco, People Advantage Pte Ltd
Technical Support Officer   **July 2019 – July 2021**

- Processed mosquito samples for identification of gender and species with the aid of a microscope
- Ensured accurate data entry and reporting of data using Excel

National Environment Agency, Environmental Health Institute
Senior Technical Officer   **Dec 2017 - June 2019**
- Produced mosquitoes for field releases of Project *Wolbachia*
- Maintained the stock colony to support the on-going Project
- Trained personnel and provided inputs on improving work efficiency
- Supported the field release of *wolbachia*-carrying *Aedes aegypti* mosquitoes
- Assisted in regular improvement and prompt updates of database in Excel

Temporary Research Assistant   **May 2017 - Nov 2017**
- Assisted in the releases of *wolbachia*-carrying male mosquitoes at the release sites
- Performed crude extraction of DNA from adult mosquitoes and eggs samples
- Performed conventional PCR for Gravitrap and Ovitrap samples
- Performed qPCR for speciation of *Aedes* mosquitoes and determination of the presence of *wolbachia*
- Performed dissection of spermathecae from *Aedes aegypti* mosquitoes under the microscope

Temporary Research Assistant   **May 2016 - Apr 2017**
- Maintained mammalian & mosquito cell lines such as BHK, Vero, C6/36
- Performed plaque assay to determine titre of virus
- Carried out immunofluorescence assay on Dengue and Zika samples
- Assisted in various virus work such as plaque reduction neutralisation assay, virus isolation
- Performed ad-hoc duties such as data entry, autoclaving of clean ware & waste, cleaning of incubator & glassware

CAPABILITIES

Computer & Software Skills
- Conversant with Microsoft Word, PowerPoint, Excel
- Conversant with statistical software: IBM SPSS Modeler
- Familiar with visualization software: Tableau Software
- Familiar with programming language: SQL, SAS, Python and R

Technical Skills
- Demonstrated challenge-driven mindset in finding solutions to problems
- Possess excellent organizational and multitasking skills
- Able to establish priorities & deadlines

Adaptability Skills
- Ability to work successfully in a team environment as well as individually
- Displayed good interpersonal skills in both school and work environment
- Have respect for other cultures and able to adapt quickly to cultural differences

MISC. INFORMATION

Languages: Fluent in English and Malay (Oral and Written)
Availability: 30 days' notice

REFERENCES

Dr Wilson Tan Cheong Huat
Director
Environmental Health Institute (Vector Biology and Control Division)
Email: tan_cheong_huat@nea.gov.sg

Muhammad Faizal bin Zulkifli
Senior Research Officer
Environmental Health Institute
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