

Low Foo Eng

Location: Singapore

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PROFILE

I am a self-driven and detail-oriented pharmacist looking to progress into field of data science. Through work and research opportunities, I adapted statistical and analytical skill. Currently, I am the principal investigator of a research project conducted in National Cancer Centre Singapore. As the person-in-charge of sample drug inventory, I developed successful working relationships with representatives from various pharmaceutical companies. As a proactive continuous learner, I completed several online courses (programming or data science related). I am looking for a challenging role within data science and analytics where I can bring value to the public.

EXPERIENCE

Pharmacist, National Cancer Centre Singapore	June 18 - Present
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- Initiated a study (ongoing) to assess the safety and effectiveness of oral chemotherapeutic agent in breast cancer patients (Principal Investigator)
- In charge of management of sample drug inventory (> 30 drugs) to ensure drug availability, maintain proper recording and resolve any discrepancies
- Liaised with drug representatives and physicians to develop sample drug scheme to improve patient's affordability of costly anticancer agents
- Designed care pathways for management of physical symptoms experienced by cancer patients in collaboration with physicians, nurses and pharmacists
- Offered information to patients and healthcare professionals regarding dosage, side effects, administration, drug interaction and appropriate storage practices
- Delivered clinical case presentations and participated in department continuing education program
- Supported training of pre-registration pharmacists and pharmacy technicians
- Produced educational video on antimicrobial use which was broadcasted to the public

Pre-registration Pharmacist, National Cancer Centre Singapore	Jul 17 – Apr 18
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- Involved in medication dispensing, answering drug enquiries and medication review
- Participated in journal club, case-based discussions and ward round

Intern, Gleneagles Hospital, Singapore	May 16 – June 16
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Intern, NTUC Unity Healthcare	May 15 – June 15
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EDUCATION

Bachelor of Science (Pharmacy) with Honours (Highest Distinction), National University of Singapore (NUS) (CAP of 4.74/5)	Aug 13 – June 17
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Summer Exchange Programme, Hong Kong University of Science and Technology (HKUST) **June 15 – Aug 15**

Unified Examination Certificate, Malaysia **Jan 10 – Nov 12**

- Ranked first in the national exam with straight A1 in all subjects
- Ranked top 10 in English, Chemistry, Mathematics (basic and advanced) and Chinese

SCHOLARSHIPS AND AWARDS

ASEAN Undergraduate Scholarship **Aug 13 – June 17**
NUS Awards for Study Abroad (NASA) Enhancement Scholarship **June 15 – Aug 15**
NUS Dean's List Award (three times recipient) **Aug 13 – June 17**

RESEARCH EXPERIENCE

Principal Investigator **June 19 – Present**

Title: A Drug Use Evaluation of Cyclin-Dependent Kinase 4/6 Inhibitors in Cancer Patients

- Study the appropriateness of use of CDK4/6 inhibitors and evaluate the safety and effectiveness in local cancer patients (retrospective medical data will be analyzed with patient's informed consent)

Cancer Supportive Care Service Improvement **Feb 19 – Present**

Title: Development of Supportive Care Pathway for Cancer Patients

- Review international guidelines and design algorithms for management of physical symptoms or side effects experienced by cancer patients
- Aim to provide standardized cancer supportive care services in collaboration with oncologists, pharmacists and nurses

Final Year Project, NUS **Jul 16 – Apr 17**

Title: Autophagy as a Molecular Mechanism in Mediating Toxicity of Nanomaterials

- Investigated nanomaterial-modulated autophagy using cell culture, MTT assay, acridine orange staining and confocal microscopy

Undergraduate Research Opportunities Programme in Science, NUS **Aug 14 – Dec 14**

Title: Solubility Determination of Indole-based Antimicrobial Agents

- Predicted and compared kinetic solubilities of 16 identified antimycobacterial lead compounds using ChemDraw, turbidimetry, nephelometry and UV spectrophotometry

EXTRACURRICULAR ACTIVITIES

Volunteer, Community Health Angels Mentoring Programme, NUS **Apr 15 – Dec 16**

- Monitored chronic conditions of at-risk senior citizens and improved medication adherence through home visits

Volunteer, Moral Welfare Home Project, NUS **Aug 14 – Dec 14**

- Organized mass activity in collaboration with other charitable societies

Keyboardist, NUS GEYAO **Aug 13 – Dec 13**

SKILLS, COURSES AND LANGUAGES

- Microsoft Office: Word, Excel, Power Point
- Languages: Python, R, JavaScript, HTML, CSS, SQL, C
- Frameworks and Libraries: Flask, Bootstrap
- Statistical Software: SPSS, GraphPad Prism 7
- Online Courses (Completed/Ongoing): Statistical Reasoning for Public Health (John Hopkins University), Introduction to Computer Science (Harvard University), Data Science Professional Certificate Program (Harvard University), Machine Learning (Stanford University), freeCodeCamp
- Languages: English, Chinese, Malay

PROFESSIONAL MEMBERSHIP

- Pharmaceutical Society of Singapore (PSS)