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**LIU Yang**

Entry-level Chemist

An **NTU chemistry graduate** with experience of conducting two research projects as part of my coursework. Have technical knowledge and hands-on experience of **titration, spectroscopy, HPLC**, and other standard lab operations. Worked for one year as an office assistant in the food industry writing **compliance documents**. Currently seeking a technical or administrative role in any chemistry-related industry.

Education

## Nanyang Technological University Singapore

BS in Chemistry Aug 2011 – Aug 2015

**• GPA: 4.45/5.0**

**• Went through a 1.5-year bridging course on English presentation and writing.**

**Experiences**

## Office Assistant Guangdong, China

Freshwater Fish Department, Zhongshan Foodstuffs and Aquatic Import & Export Group Aug2016-Oct 2017

**•** Wrote documentation and SOPs on processing and transport of the food to comply with the AEO production standards of the China customs.

**•** Entered sales data to the company’s ERP system and prepared invoices.

**•** Developed VBA and AutoHotKey scripts to automate the above tasks. Still in production.

COURSEWORKS

## PH-responsive Micelles for Drug Delivery Singapore

Honour's Project Aug 2014 – Dec 2014

**•** Synthesized fluorescent amphiphilic molecules that were able to form micelles that break in tumor acidic environment to deliver anti-cancer drugs.

**•** Imaged the nanostructures with TEM. Determined CMC and pKa with UV-Vis and fluorescence spectroscopy.

## Study of Metal Cluster Fluxionality by VT-NMR Singapore

Summer Research May 2013 – Aug 2013

**•** Synthesized phosphine-substituted ruthenium clusters that showed metal-metal bond fluxionality.

**•** Carried out variable temperature 1H and 31P NMR to determine the rate constant of the fluxionality process through lineshape analysis.

Technical Strength

**•** Technical Titration, Column Chromatography, Operation of Analytical Instruments, etc.

**•** Administration GMP, Compliance Documentation

**•** IT-related Excel VBA, Photoshop