

# Da Wang

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## Objective

An able, enthusiastic, goal-oriented, college graduate seeking a position that utilizes my chemistry and biology laboratory experience, information technology skills, and personal attributes including dedication, creativity, and reliability.

## Education

**Illinois Wesleyan University**, Bloomington, IL

Bachelor of Arts

May 2015

Major: Chemistry

**Illinois Institute of Technology**, Chicago, IL

Professional Master

Jan. 2017 – present

Major: Information Technology & Management

## Experience

**Bunge Oils North America**, Bradley, IL

Sept. 2015 – Nov. 2016

*Quality Control Lab Technician*

- Performed quality checks for oil samples including water activity, peroxide value, oxidative stability index, BHA, BHT, TBHQ, free fatty acids, solid fat content, viscosity, iodine value, nickel, etc.
- Examined the trans fats and fatty acid composition of oil samples by using FT-IR and GC-MS
- Saved records of samples in the intranet system and reported quality issues to supervisors

**The International Cancer Advocacy Network (ICAN)**, Phoenix, AZ

Aug. 2015 – Apr. 2016

*ICAN Volunteer Web Research Intern (telecommuting from Illinois)*

- Searched latest cancer journal articles on PubMed, PMC, and Google Scholar
- Collected abstracts of articles and sent them to ICAN Patient Services staff and Tumor Board

**Illinois Wesleyan University Chemistry Department**, Bloomington, IL

2014

*Student in Adv. Inorganic Synthesis/Analysis Course*

- Isolated octahedral cobalt complexes, synthesized ferrocene, and prepared hematite ( $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>) crystals
- Worked in a 4-person team to complete experiments and prepare reports, proposals, and a presentation
- Acquired experience with cyclic voltammetry, atomic absorption spectroscopy, column chromatography, gas chromatography–mass spectrometry, IR air-sensitive synthesis, SciFinder Scholar

**Illinois Wesleyan University Chemistry Department**, Bloomington, IL

Summer 2013

*Research Assistant*

- Multi-step synthesis of N, N', N'', N'''-(2-aminoethyl)-1,4,8,11-tetraazacyclotetradecane to be used as a host for polyoxometalates
- Gained experience with mechanical stirring equipment, vacuum distillation, vacuum filtration, rotary evaporators, extraction, TLC, NMR analysis

**Illinois Wesleyan University Biology Department**, Bloomington, IL

Summer 2012

*Research Assistant*

- Replicated characiform fishes' genes using Escherichia coli
- Ran electrophoresis to verify components of fishes' genes; reviewed findings with department faculty
- Explored the developmental mechanisms responsible for the skeletal variations seen in the adults

## Skills

- |                      |  |               |
|----------------------|--|---------------|
| • Chemical synthesis | • Ultraviolet-visible spectroscopy       | • Polarimeter |
| • Wet Chemistry      | • Mycobacteriophage DataBase             | • PH testing  |
| • Scientific writing | • Microsoft Office Word/Powerpoint/Excel | • ChemBioDraw |

## Activities and Honors

Translator and editor in Reed Chinesizing Group

2014 – 2015

Manager of Illinois Wesleyan University Badminton Club

2012 – 2015

IWU Student Alumni Award Scholarship

2011 – 2015

Dean's List

2011 – 2012

DJ at WESN Radio Station

2011 – 2012