**Zhongyu Li** zlqtd@mail.missouri.edu | (+1)651-353-6750

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**Objective:** Currently looking for internships and full-time jobs.

**Work Experience:**

***Research Assistance* in Dr.Sengupta’s microfluidic lab** October 2014-current

Bioengineering Dept., University of Missouri, Columbia, MO

**Rapid culture-based of *Mycobacteria* using multi-frequency Impedance measurements**

* Working alongside graduated students
* Rapid detection of tuberculosis(TB) mycobacterial in clinical samples
* Demonstrate Electrochemical Impedance Spectroscopy based detection methodology to reduce the time-to-detection(TTD).
* Preparing bacterial media of solid agar and broth solutions
* Ensured sterile conditions by autoclaving
* Independently followed instructions using various equipment

**Volunteer Experience:**

***Volunteer* in Dr. Xu’s lab** October 2015-current

Pathology and Anatomical Sciences dept., Computer Science dept.,University of Missouri, Columbia, MO

**Precision Medicine: RDF Sketch Maps Algorithm design and Implementation**

* Using Kyoto Encyclopedia of Genes and Genomes Database (KEGG)
* Understand the pathways in human body
* Curation maps

***Tutor* in A Way With Words And Numbers**February 2016-current

* community-based non-profit program
* Help local children to improve their struggling literacy and mathematics skills

***Volunteer* in The Food Bank for Central & Northeast Missouri**

* Help packing food for homeless shelter

***Volunteer* in The E-Week Lab Exhibit**

* Introduce the endotracheal tubes and do the demo

**Education:**

**University of Missouri, Columbia, MO** August 2014-Dec 2016(excepted graduation date)

Major: Bachelor of Bioengineering(BioMed)  **GPA: 3.89/4.0**

Minor: Computer Science

**Jiangnan University, Wuxi, China** August 2012-May 2014

Bachelor of Biological Engineering **GPA: 3.21/4.0**

**Core Classes:**

Biomaterials Algorithm Design/Programming

Bio Fluid Mechanics Intro to the Internet, WWW and Multimedia System

Intro to Biomedical Imaging Object Oriented Program

Fluorescent Imaging Engineering Analysis Bioprocesses

**Honors**:

* 2015 SPRING 2015 FALL Curator's Grant-in-Aid Scholarship
* 2015 Chancellor’s Awards for Excellence in 2015 spring Undergraduate Research and Creative Achievements Forum
* 2014 FALL 2015 SPRING 2015 FALL Dean List (Dean’s High Honor Roll)

**Skills:**

**Technique:** Microsoft office, C language, HTML, CSS, Java, JavaScript, JavaFX

**Language:** English Mandarin