

Shuman Zhang

140 Cedar Street. Apt 12, East Lansing, MI. 48825. zhangs85@msu.edu. 517-802-7817

Education

- Michigan State University, East Lansing, MI
 - Bachelor of Science Biosystem Engineering with Biomedical concentration
 - GPA 3.46/4.00
- Expect graduation May 2017

Experience

Teaching Assistant, Michigan State University, East Lansing, MI August 2016-Present
Calculus I Teaching Assistant

- Explain limits, continuous functions, derivatives and their applications to more than 60 students.
- Involve integrals and fundamental theorem of basic calculus with real life examples

EnSure-Michigan State University, East Lansing, MI May 2016-September 2016
Research Assistant with Dr. Yan Liu

- Developed a solid state fungal fermentation process for chitin and lactic acid rich fertilizer production from cull potato
- Prevented plant disease using a filamentous fungus *Rhizopus oryzae* cultured on potato
- Measured and compared the production yield and contents of chitin and lactate in final product

Math Learning Center, Michigan State University August 2015-August 2016
Advanced Calculus Tutor

- Assist more than 30 students to solve calculus and advanced calculus related problems in one day
- Improve mathematical background to assist future engineering study

National Quality Supervision of Medical Ultrasonic Equipment, China June 2015-August 2015
Assistant Engineer

- Collected and analyzed experimental data in Electromagnetic Chamber in the report to establish the relationship in between ultrasonic equipment and magnetic field
- Translated the National Standard of medical ultrasonic equipment from English to Chinese
- Detected B Ultrasonic device with water to view the range of probes

Biosystem Engineering Club August 2014-August 2016
Volunteer Chair

- Plan and organize events for the Club to serve at different organizations
- Support the blood drive and organize club members to donate blood for good use
- Guide the incoming students on their academic achievement

Skills

- MatLab, Microsoft, and Chinese

Honors and Activities

- Phi Sigma Rho active member
 - Howard and Esther McColly Scholarship
- January 2015-Present
Fall 2015- Fall 2016