

Esther Yi

esy1123@gmail.com

EDUCATION

University of Texas at Austin

Biomedical Engineering

Biology

Diploma expected May 2020

Austin, TX

August 2016 – May 2018

August 2018 – present

College Station High School

Overall GPA: 4.4860

College Station, TX

January 2013–May 2016

EXPERIENCE

Student Researcher, Texas A&M University

College Station, TX

June 2017–present

- Worked under Dr. Kim in Pharmaceutical Sciences Department
- Attained knowledge of nanoparticles as drug delivery system, especially focusing on liposomes and exosomes
- Attended monthly lab meetings to listen to research presentations and discuss issues relating to the lab
- Prepared monthly individual research update reports including graphs, statistical analysis and troubleshooting
- Focused on producing hybrid form of liposomes and exosomes using passive loading technique, particularly using the hand-shaking mechanical method
- Attained skills of data research, doing formal labs and presenting
- Committed an average of 40 hours per week in summer

Emergency Medical Technician, Texas A&M Engineering Extension Service (TEEX)

College Station, TX

July 2017–Jan 2018

- Accomplished the didactic portion of EMT-Basic program
- Completed 144 hours of didactic comprised of patient assessment, hazardous materials, basic pharmacology, trauma/shock, medical emergencies and automatic external defibrillator (AED)
- Learned strong work ethic throughout team work
- Intern at different hospitals, including the department of Labor/Delivery at Baylor Scott & White Hospital.

Hospital Volunteer (Pulmonary/Renal), Seton Medical Center

Austin, TX

Jan 2018–Dec 2019

- Helped patients with their needs, not limited to reaching out for nurses.
- Gained a first-hand experience of how nurses, assistants, physicians and other hospital employees collaborate in patient care and hospital management.
- Pulmonary/Renal
- NICU
- Mother and Baby

ACTIVITIES

Global Medical Missions Alliance (GMMA), University of Texas at Austin

Austin, TX

- Reaches out globally to serve medically underprivileged people through partnerships with established Mission Organizations. August 2017-Dec 2019

Women in Biomedical Engineering, University of Texas at Austin

Austin, TX

- Gained differing views in the field of biomedical engineering by associating with others August 2016-May 2018

QUALIFICATIONS

Certified in BLS (Basic Life Support certification by the American Heart Association), EMT-Basic program and Level 3 for the Test of Chinese Characters Ability Approval

Fluent in Korean, English

Proficient Microsoft Excel, Microsoft PowerPoint, Microsoft Word and program R

Experienced in using probe sonicator, vacuum gauge, zeta potential analyzer, liposome synthesis/fusion, Java, Chinese, Spanish, and Japanese