

# JIAYAO (AMY) LI, EIT

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## EDUCATION

**Texas A&M University, Dwight Look College of Engineering**, College Station, TX  
Certificates: Business Management; Data Center Operations; Engineering Honors  
B.S. Double Major in Computer Science & Mechanical Engineering  
Graduation: August 2018  
Cumulative GPR: 3.61

## RELATED SKILLS & COURSES

Fluent in Mandarin Chinese and English, AutoCAD, Inventor, SolidWorks, Programming in C/C++, Haskell, HTML, Java, MATLAB, Algorithms & Data Structure, AI & Machine Learning, Computer-Human Interaction, Cyber Security

## WORK EXPERIENCE & PROJECTS

**Undergraduate Research**, Texas A&M University  
*Department of Mechanical Engineering, Bio-robotics Lab*  
January 2017 – Present

- Code program to analyze computer vision and build prototype to model robotic device
- Department of Computer Science & Engineering, Sketch Recognition Lab*
  - Develop software applications on topic of eye-tracking, focus on machine learning and data analysis algorithms

**Walt Disney World Parks and Resorts**, Design & Engineering, Lake Buena Vista, Florida  
*Simulation & Analysis, Professional Engineering Intern*  
May 2016 – August 2016

- Coded and debugged software programs to perform data analysis and simulation modeling
- Architecture & Facilities Engineering, Professional Engineering Intern*  
January 2016 – May 2016
  - Helped to design and draft engineering drawings for Star Wars: A Galactic Spectacular Fireworks show

**BP**, Senior Capstone Design Project, Texas A&M University  
Fall 2017, Spring 2018

- Design system to apply specialized coatings to protect metals from corrosion for offshore oil & gas platforms

**Industrial Assessment Center**, Texas A&M University  
*Student Technician*  
June 2015 – December 2015

- Conducted audits and analyzed various manufacturing processes to deliver reports on energy saving measures

**Department of Mechanical Engineering**, Texas A&M University  
*Teaching Assistant, Peer Tutor in MEEN 221, 381, 210*  
Fall 2015, Fall 2016, Spring 2017, Fall 2017

**Department of Mechanical Engineering**, Texas A&M University  
*Student Ambassador, Peer Advisor*  
April 2015 – December 2015

## LEADERSHIP & VOLUNTEER ACTIVITIES

**Chi Alpha Christian Fellowship**, Texas A&M University  
*Bible Study Leader*  
September 2016 – Present

**Memorial Student Center Bethancourt**, Texas A&M University  
*Internal Development Director*  
Fall 2015, January 2017 – Present

- Engaged in cross-discipline and hands-on learning experiences through professional development programs

**Grace Bible Church**, College Station, Texas  
*Sunday School Teacher*  
May 2017 – Present

**Give Kids the World Village**, Orlando, Florida  
*Volunteer* – Provided service to children with life-threatening illness and their families  
January 2016 – August 2016

**Fish Camp**, Texas A&M University  
*Counselor* – Cooperated with 25 other counselors to mentor over 150 freshmen to help them transition to college  
March 2015 – October 2015

**Aggies Reaching Out**, Texas A&M University  
*Counselor* – Mentored groups of 7-10 underrepresented 8<sup>th</sup> graders in order to inspire them to pursue higher education  
May 2015

**Memorial Student Center LEAD**, Texas A&M University  
*Spencer Leadership Conference Committee*  
September 2014 – May 2015

**Aggies Invent**, Engineering Innovation Center, Texas A&M University  
*1<sup>st</sup> Place in competition against 7 teams*  
August 2014