

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; Minors: Cybersecurity & Mathematics

Graduation: Aug. 2018

Cumulative GPR: 3.62

RELATED SKILLS & COURSES

Fluent in Mandarin Chinese and English; C/C#/C++, Haskell, HTML, Java, Ruby on Rails; Algorithms & Data Structure, Computer-Human Interaction, Cyber Security, Machine Learning, Risk Assessments; AutoCAD, Inventor, SolidWorks

WORK EXPERIENCE & PROJECTS

Undergraduate Research, Texas A&M University January 2017 – Present

Department of Computer Science & Engineering, Sketch Recognition Lab

- Develop machine learning algorithms to detect gaze gestures using eye-tracking; analyze accuracy and timing
- Implement machine learning algorithms: decision tree, neural network, Pearson correlation, template matching

Department of Mechanical Engineering, Bio-robotics Lab

- Code program to analyze computer vision and build prototype to model robotic device

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

June 2015 – December 2015

Student Technician

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

Department of Mechanical Engineering, Texas A&M University

Fall 2015, Fall 2016 – Present

Teaching Assistant, Peer Tutor, Grader in MEEN 210, 221, 381, 460

Department of Mechanical Engineering, Texas A&M University

April 2015 – December 2015

Student Ambassador, Peer Advisor

LEADERSHIP & VOLUNTEER ACTIVITIES

Chi Alpha Christian Fellowship, Texas A&M University

September 2016 – Present

Bible Study Leader

Memorial Student Center Bethancourt, Texas A&M University

Fall 2015, January 2017 – Present

Internal Development Director

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

Grace Bible Church, College Station, Texas

May 2017 – Present

Sunday School Teacher

Give Kids the World Village, Orlando, Florida

January 2016 – August 2016

Volunteer – Provided service to children with life-threatening illness and their families

Fish Camp, Texas A&M University

March 2015 – October 2015

Counselor – Cooperated with 25 other counselors to mentor over 150 freshmen to help them transition to college

Aggies Reaching Out, Texas A&M University

May 2015

Counselor – Mentored groups of 7-10 underrepresented 8th graders in order to inspire them to pursue higher education

Memorial Student Center LEAD, Texas A&M University

September 2014 – May 2015

Spencer Leadership Conference Committee

Aggies Invent, Engineering Innovation Center, Texas A&M University

August 2014

1st Place in competition against 7 teams