

JIAYAO (AMY) LI, EIT

2203 Sharon Drive • Bryan, TX, 77802 • 979-571-0833 • amyjiayao@gmail.com • My Website: <https://amyjiayao.github.io>

EDUCATION

Texas A&M University, Dwight Look College of Engineering, College Station, TX
Graduated: Aug. 2018
Study Abroad: Singapore (Dec. 2017 – Jan. 2018); Japan (May 2018 – Aug. 2018) Cum Laude: 3.66/4.00
B.S. Double Major in Computer Science & Mechanical Engineering; Minors: Cybersecurity & Mathematics
Certificates: Business Management; Data Center Operations; Engineering Honors; International Engineering

RELATED SKILLS & COURSES

C, C#, C++, CSS, Haskell, HTML, Java, JavaScript, MATLAB, .NET, Python, R, Ruby on Rails, SQL, Visual Studio;
Algorithms & Data Structure, Human-Computer Interaction, Machine Learning, Network Security, Risk Assessments;
LabVIEW, Simulink; AutoCAD, Inventor, SolidWorks; Android, iOS, Linux, Unix, Windows; Fluent in Chinese, English

WORK EXPERIENCE & PROJECTS

Undergraduate Research, Texas A&M University
Department of Computer Science & Engineering, Sketch Recognition Lab Jan. 17 – Aug. 18
• Wrote thesis on the topic of accuracy and timing analysis of gaze-gesture detection algorithms using eye-tracking
• Implemented machine learning algorithms: decision tree, neural network, Pearson correlation, template matching
Department of Mechanical Engineering, Bio-robotics Lab Jan. 17 – Aug. 17
• Coded program to analyze computer vision and built prototype to model robotic device
BP, Senior Capstone Design Project, Texas A&M University Sept. 17 – May 18
• Designed system to apply specialized coatings to protect metals from corrosion for offshore oil & gas platforms
Walt Disney World Parks and Resorts, Design & Engineering, Lake Buena Vista, FL
Simulation & Analysis, Professional Engineering Intern May 16 – Aug. 16
• Coded and debugged software programs to perform data analysis and simulation modeling
Architecture & Facilities Engineering, Professional Engineering Intern Jan. 16 – May 16
• Helped to design and draft engineering drawings for Star Wars: A Galactic Spectacular Fireworks show
Industrial Assessment Center, Texas A&M University Jun. 15 – Dec. 15
Student Technician
• 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, Grader in MEEN 210, 221, 381, 460 Sept. 15 – May 18
Student Ambassador, Peer Advisor Apr. 15 – Dec. 15

LEADERSHIP & VOLUNTEER ACTIVITIES

Memorial Student Center Bethancourt, Texas A&M University Jan. 17 – May 18
Internal Development Director (Fall 17, Spring 18)
• Engaged in cross-discipline and hands-on learning experiences through professional development programs
Aggies Invent, Engineering Innovation Center, Texas A&M University Aug. 14
1st Place in competition against 7 teams
Memorial Student Center LEAD, Texas A&M University Sept. 14 – May 15
Spencer Leadership Conference Committee
Give Kids the World Village, Orlando, FL Jan. 16 – Aug. 16
Volunteer – Provided service to children with life-threatening illness and their families
Church Volunteer, College Station, TX May 17 – May 18
Sunday School Teacher; Bible Study Leader
Fish Camp, Texas A&M University Mar. 15 – Oct. 15
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 15
Counselor – Mentored groups of 7-10 underrepresented 8th graders in order to inspire them to pursue higher education