

# Lina Zhang

US CITIZEN

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## EDUCATION

### Texas A&M University

College Station, TX

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

May 2021

- **GPA: 3.952/4.000** National Merit Scholarship, Presidents Endowed Scholarship, IAP (Industrial Affiliate's Program) Scholarship
- **Related Coursework** Database Systems, Data Structures and Algorithms, Programming Languages, Computer Organization

## SKILLS

- Languages** C++, Python, Java, HTML5/CSS, Javascript, Haskell
- Technologies** Android Studio, Git, Eclipse, Visual Studio, Augmented Reality, Wearable Technology
- Database** MySQL, MariaDB, MongoDB, SQLite
- Design** UX Research Design, Adobe XD, Adobe Illustrator, Adobe Photoshop, Figma, Noodl

## EXPERIENCE

### Intelligent Multimodal Human-Computer Interaction REU

Gainesville, FL

RESEARCH INTERN

May 2019 - Aug. 2019

- Designed and executed UX research on the usability of applications for augmented reality smart glasses interactions under the guidance of Dr. Sharon Chu from the ELX lab at the University of Florida in the NSF funded REU program
- Developed **6** color recognition and speech recognition smart glasses applications in **Android Studio** and **Java**
- Conducted usability tests on developed smart glasses applications and ran data analysis on test results

### Sketch Recognition Lab

College Station, TX

AGGIE CHALLENGE RESEARCHER

Aug. 2018 - Dec. 2018

- Worked with a haptical vibration vest that is connected to GPS to allow for navigation under the guidance of Dr. Tracy Hammond
- Prototyped a user interface in **Figma** and **Noodl** for an application to help visually impaired people to navigate their environment

UNDERGRADUATE RESEARCH SCHOLAR RESEARCHER

Aug. 2019 - PRESENT

- Develop a system of vibrational feedback on a wearable vest to alert users of notifications from a mobile device
- Conduct studies on which vibrations are intuitive notification replacements

### Society of Asian Scientist and Engineers (SASE)

College Station, TX

TECHNICAL MARKETING DIRECTOR

Aug. 2019 - Present

- Publish and update website and social media accounts to connect with corporate sponsors and organization members
- Design and create merchandise and create video content for marketing purposes

COMMITTEE MEMBER

Aug. 2018 - May 2019

- Raised money from ticket sales to formals and from football game concessions work
- Planned, designed, and executed multiple cultural and professional organizational events

### Department of Engineering

College Station, TX

PEER TEACHER

Aug. 2018 - May 2019

- Mentored over **90** novice programming students **Python** basics and answer questions about programming
- Lead weekly office hour review sessions over homework assignments and test preparation

## PROJECTS

### NFL Football Data Analysis

- Created a database of NFL football data from csv files of 2009-2018 data in **MySQL** with **JDBC (Java Database Connectivity)**
- Generated broadcaster-like dialogue for games when users entered a game id by querying database information and performing calculations

### Women in Engineering Autonomous Underwater Vehicle Project Team

- Specialized in developing code that allows an underwater robot to autonomously determine objects and color in **Python**
- Designed a custom team website to organize team progress, pictures, and events
- Cooperated with Mechanical and Electrical subteams to ensure successful integration of code