# Joyce Lai

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## EDUCATION

**The University of Texas at Austin**, Austin, TX                                  May 2026
*Bachelor of Science, Computer Science*
  GPA *TBD*

  Relevant Coursework:
> *Data Structures - Honors*
> *Discrete Math - Honors*
> *Vector Calculus - Honors*

## SKILLS

**Technical/Computer Skills:** *Advanced Linux, Intermediate Python, Intermediate Java, Intermediate Assembly, Beginner SQL, Beginner GoLang*
**Languages:** *Native English, Conversational Mandarin Chinese*
**Certifications:** *Cisco Certified Networking Associate, IT Fundamentals+ CompTIA*

## EXPERIENCE

**Metropia**, Houston, TX (Hybrid/Remote)                          June 2022 - August 2022
*Software Engineering Intern*
- Implemented automation for data uploading and processing through Metropia's Intermodal ML Model
- Managed MySQL databases
- Developed efficient preprocessing scripts to clean GTFS data
- Skills used: *Python, SQL*

**University of Texas at San Antonio,** San Antonio, TX              August 2021 - June 2022
*Research Assistant*
- Analyzed malicious network traffic through machine learning models
- Ported necessary PCAP processing script from GoLang to Python
  - flowtbag - a multithread preprocessing script for PCAPs to format for machine learning
- Worked underneath Professor Rajendra Boppana to learn more about network security
- Skills used: *Python, GoLang, Wireshark, ML/AI*

## PROJECTS

- **hacScraper:** A convenient interface to check grades from the HAC grade system. It has additional functionalities such as a "What if?" grade calculator to allow users to calculate possible final averages. Skills used: *Java, Python, Android App Development, UI/UX.*
- **timeLineMaker:** A simple python script that leverages Selenium in order to complete a repetitive timeline assignment for a class. Skills used: *Python, HTML.*

## LEADERSHIP & COMMUNITY INVOLVEMENT

**Girl Scouts,** San Antonio, TX                                  August 2021 - June 2022
*Gold Award Leader*
- Designed programs and brochures to promote safe internet practices for highschoolers and families.
- Mitigated personal online threats starting from educators.
- Skills used: *HTML, Networking*

## HONORS AND AWARDS

- Turing Scholar
- National Merit Finalist
- AP Scholar with Distinction