NATALEE CHU

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EDUCATION

B.S Computer Science, **Minor Professional Sales,** *University of Texas at Austin* **GPA: 3.8 2021 - 2025**
Relevant Coursework: Software Engineering (Python), Algorithms and Complexity, Operating Systems (C), Computer Architecture (C, Assembly), Data Structures (Java). Differential Equations, Discrete Math
Involvements: Collegiate DECA (VP of membership), Central Texas MUN, Women in Computer Science

SKILLS

Certifications: AWS Cloud Practitioner, Linux Foundation Certified Administrator (LFCA)
Languages: Java, JavaScript, React, Python, C#, HTML/CSS, C, Assembly (ARM), C++, Terraform
Tools: Linux, Arduino, ESP32, Git/GitLab, CI/CD, AWS, TFE, VSCode, Eclipse, Maven

EXPERIENCE

University of Texas at Austin, *Teaching Assistant – CS314 Data Structures* **8/22 - Present**
- Grades and lectures on data structure concepts on a weekly basis for a section of 22 students
- Holds office hours, grades and proctors exams for a class of **over 200 students**

State Farm, *Technology Intern, Cloud Native Application Protection Team* **5/23 - Present**
- **Rapidly facilitating State Farm's migration to cloud** computing by developing resources and Lambda equations using **Terraform, CI/CD, GitLab, and AWS** for other information security teams to consume
- Researching the facets of Prisma Cloud Code Security and developed cloud chatbot in **Python** to present to **directors and CISO** to argue the importance of shifting security left and embedding security into the SDLC
- Expanded captive portal app to be compatible with **18 more hotel brands with 6000+ locations** using C#

State Farm, *Technology Intern, Border Protection Team* **5/22 – 12/22**
- **Reduced waiting times by 1 week** by developing automated tool to handle Azure AD permission requests
- Improved functionality and UX of firewall change application **using Java, Javascript, HTML, and SQL**
- Identified and remediated fatal vulnerabilities for firewall support software using **Springboot and Java**

PROJECTS & AWARDS

Model UN Motion Tracker | *Java*
- Programmed a Java app to sort motions by disruptiveness using OOP and a custom sorting algorithm, while recording to a file to ease flow of committee for CTMUN, the largest Model UN organization in Texas

Systems Emulator | *C*
- Implemented an **ARM** pipeline with hazard control and **write-back cache** to process 64 bit instructions

PintOS Virtual Memory | *C*
- Implemented virtual memory with frame and page table, bitmap for disk writes, and stack growth handling

AFA and NFA Informative Speaking Qualifier **11/21**
- Qualified to **two national competitions** with a speech on black-box AI and its implications on society