

# NATALEE CHU



nataleechu



nataleechu



nataleechu@gmail.com

## 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 assignments and lectures on data structure concepts on a weekly basis for a section of 22 students
- Holds office hours 4x weekly, 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