

NATALEE CHU



nataleechu



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nataleechu@gmail.com

EDUCATION

B.S Computer Science, Minor Professional Sales, University of Texas at Austin **GPA: 3.9** **2021 - 2025**

Relevant Coursework: Software Engineering (Python), Algorithms and Complexity, Operating Systems (C), Computer Architecture (C, Assembly), Data Structures (Java), Differential Equations, Discrete Math, Statistics

Involvements: Texas Rock Climbing, Collegiate DECA (VP membership), CT 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, CS439 Operating Systems **8/23 – Present**

- Holds office hours and discussions weekly, grades projects and exams, assists with class of **200+ students**

University of Texas at Austin, Teaching Assistant, CS314 Data Structures **8/22 – 5/23**

- Graded assignments and lectured on data structure concepts on a weekly basis for a section of 22 students
- Held office hours 4x weekly, graded and proctored exams for a class of **200+ students**

State Farm, Technology Intern, Cloud Native Application Protection Team **5/23 – 8/23**

- **Rapidly facilitated 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
- Researched facets of Prisma Cloud Code Security and developed cloud chatbot in **Python** and presented to **directors and CISO** to argue the importance of shifting security left and adopting the tool
- 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 | C

- Implemented virtual memory, user program handling, file system, and multi-threading for toy OS

AFA and NFA Informative Speaking Qualifier

11/21