

# NATALEE CHU



nataleechu



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nataleechu@gmail.com

## EDUCATION

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**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

## SKILLS

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**Certifications:** AWS Cloud Practitioner, Linux Foundation Certified Administrator (LFCA)

**Languages:** Java, JavaScript, React, Python, C#, HTML/CSS, C, Assembly (ARM), C++, Terraform

**Tools:** CI/CD, Git/Gitlab, Maven, Kali Linux, Linux

**Miscellaneous:** Public speaking, communications, professional sales, marketing, painting

## EXPERIENCE

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**University of Texas at Austin, Undergraduate Course Assistant – CS314 Data Structures** 8/22 - Present

- Grades and lectures on a weekly basis for a section of **22 students**
- Holds office hours and grades exams for a class of **over 200 students**

**State Farm, Technology Intern**

5/22 – Present

**Cloud Native Application Protection Team (5/23 – Present)**

- **Rapidly facilitating State Farm's migration to cloud** computing by developing resources and Lambda equations for other information security teams using Terraform, CI/CD, GitLab, and AWS
- Researching the facets of Prisma Cloud Code Security to present to directors to argue the importance of shifting security left and embedding security into the SDLC

**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, and HTML
- Identified and remediated fatal errors and vulnerabilities for firewall support software

## PROJECTS & AWARDS

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**Memory Management**

- Successfully simulated the processes of memory allocation and freeing in C with exceptional space and time efficiency through memory coalescing and best-fit allocation policy

**Model UN Motion Tracker**

- Programmed a Java app to take in motions and sort them by disruptiveness, while recording to a file to ease flow of committee for CTMUN, the largest Model UN organization in Texas

**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

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## ESP32 Message Display

- Created a message display using an ESP32 development board with a transparent OLED and expansion board using an ESP32 WiFi server, allowing users to navigate to a server and display a message on the OLED

## HONORS & AWARDS

### AFA and NFA Informative Speaking Qualifier

11/21

- Qualified to two national competitions with speech on black-box AI and its implications on society

### AP Research Paper Perfect Score

7/21

- Achieved a perfect score on behavioral economics research paper on risk-taking and gender correlations