NATALEE CHU

 nataleechu   nataleechu   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 Powerlifting, Texas Rock Climbing, Collegiate DECA (VP membership), CT MUN, WICS

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

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

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