

Andrew Lin

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EDUCATION

Texas A&M University

Expected Graduation: May 2025

BS in Computer Science & Minor in Cybersecurity

- **GPA:** 3.87/4, Dean's Honor Roll
- **Related Coursework:** Data Structures & Algorithms, Analysis of Algorithms, Software Engineering, Artificial Intelligence, Machine Learning, Network Security, Computer Architecture, Operating Systems, Object-Oriented Programming

EXPERIENCE

USAA | Software Engineering Intern

May 2023 - August 2023

- Stabilized a client-facing application called One Stop Shop (OSS), providing over 100,000 daily users' most updated claim status through Agile methodology
- Maintained application's UI and API leveraging Spring Boot and Java to ensure seamless functionality
- Implemented comprehensive full stack test cases using JUnit, Cypress, Postman, and the Gradle build tool to validate functionality after code changes
- Elected as Team Air Force leader of Interns, coordinating participation of 29 interns in various activities and competitions to raise funds for a military donation

PROJECTS

Chilifest Music Festival Vendors

January 2024

Frontend Developer | <https://chilifestbuilds.com>

- Created a website using React.js on the frontend and Node.js with Express.js for the backend, centralizing prices for the Chilifest music festival from 16 vendors, streamlining the ticket-buying process for 6.4K users
- Designed RESTful APIs using Express and Node.js to handle HTTP requests, enabling seamless interactions with an AWS RDS PostgreSQL database
- Deployed the backend server on AWS EC2 to ensure constant availability, using PM2 to manage the server process
- Secured API endpoints using ZeroSSL to generate SSL certificates, ensuring secure HTTPS communication

Codehoot (Hackathon)

January 2024

Full Stack Developer | <https://andrewlin27.github.io/Codehoot>

- Developed a web-based educational platform combining coding challenges and gamified learning experiences to engage children under 12 in STEM subjects
- Designed an intuitive React.js interface, fostering an interactive and visually appealing experience for young learners
- Leveraged Firebase Firestore via Google Cloud for real-time data synchronization, ensuring personalized user interactions

Poker Payout System (Hackathon)

January 2023

Backend Developer | <https://andrewlin27.github.io/Poker-Payout-Pro>

- Led team of four members to build a user-friendly website in a 24-hour window, aiming to streamline payout distribution process in a poker game
- Refactored JavaScript backend to process each player's data by utilizing a maximum binary heap data structure
- Integrated CSS, HTML, and JavaScript on front end to provide engaging user experience and functionalities

Instagram Follower Tracker

December 2022

Full Stack Developer | <https://github.com/andrewlin27/Instagram-Follower-Tracker>

- Applied Python and web scraping to let users analyze follower/following data on Instagram
- Parsed through JSON files, generating lists for 'Users I Don't Follow Back' and 'Users Not Following Me Back'

LEADERSHIP AND ACTIVITIES

Aggie Club of Engineers | Recruitment Chair

September 2021 - Present

- Led a team of 40 members to select a new member class of 41 students from a pool of around 280 applicants
- Collaborated with executive board to devise 4 weeks of recruitment events with a budget of \$840

Fish Camp | Counselor

April 2022 - October 2023

- Interacted with director staff, co-chairs, and fellow counselors to run a 2 night orientation camp for 100+ freshmen
- Maintained communication with cohort of 12 freshmen, extending a welcome into the Aggie Family

Phi Eta Sigma Honor Society | Treasurer

April 2022 - August 2023

- Oversaw all financial planning and transactions of over \$40,000 in cash flow
- Organized several fundraising initiatives in collaboration with local restaurants, resulting in securing \$500 in funding

SKILLS

Programming: Python, Java, C++, C, JavaScript, React.js, HTML/CSS, SQL, Firebase

Tools: Spring Boot, Git/GitLab, Postman, VS Code, IntelliJ, Eclipse, Agile, Jira