

Nathan Lee

nathanblee77@gmail.com | 972-832-4240 | linkedin.com/in/nathanlee7/ | github.com/NathanL7 | github.com/nathanleeJP

EDUCATION

Texas A&M University

08/2022 - Present

Bachelor of Science in Computer Science, Minor in Mathematics, GPA: 3.75

- Relevant Coursework: Data Structures & Algorithms, Programming Languages, Foundations of Software Engineering, Design & Analysis of Algorithms, Machine Learning, Artificial Intelligence (NLP, Neural Networks, etc), Operating Systems

PROFESSIONAL EXPERIENCE

Full Stack/Software Engineering Intern | *Go, React, TS, GraphQL, PostgreSQL, Prometheus*

06/2025 – Present

JustPark

- Delivering production-ready full-stack features in an Agile environment across many repositories, presented to stakeholders
- Developing a Prometheus/YAML alerting suite with Slack and Grafana integration to monitor product health in real time
- Refactoring backend test suite and applied Test Driven Development to increase coverage across numerous products

Undergraduate Teaching Assistant for Foundations of Software Engineering (CSCE 331)

01/2025 – Present

Texas A&M Department of Computer Science and Engineering (CSCE)

- Instructs and assists undergraduate students with Software Engineering practices alongside the CSCE 331 professor
- Fosters a learning environment focused on industry standard practices for web development and project management
- Oversees and grades projects, deliverables, documentation, and status reports with real-world evaluation methodologies

Undergraduate Teaching Assistant for Discrete Structures for Computing (CSCE 222)

01/2024 – 12/2024

Texas A&M Department of Computer Science and Engineering (CSCE)

- Collaborated with the Director of Undergraduate CSCE to facilitate a Discrete Structures course for undergraduate students
- Reinforced concepts including combinatorics, algorithms, and discrete structures during biweekly office hours
- Assisted the Director of Undergraduate CSCE with grading homework, quizzes/tests, and created unique test questions

PROJECTS

MIX-AI | *Python, PyTorch, K-means, Pandas, NumPy, Librossa, Spotipy, Git/GitHub*

03/2025 – 05/2025

- Developing an audio-processing neural network built to produce the perfect playlist
- Extracting "vibe data" and auditory characteristics to train and fine-tune the neural network for accurate data
- Utilizing Traveling Salesman on a directed graph of data outputs for ordering and transition optimization

PeKings Full Stack Dev | *HTML, CSS, JS, Java, AWS, PostgreSQL, React, NodeJS, GitHub*

09/2024 – 12/2024

- Led the development of a customer-facing orders website with a POS system, featuring a functional GUI and database
- Designed and populated a database with 52 weeks of sales data, including tables and junction tables for data management
- Contributed to the manager side of the POS system, visualizing critical data through dynamic graphs and charts
- Collaborated with team members using both Agile and Waterfall methodologies, facilitating meetings and setting deadlines

INVOLVEMENT/SERVICE

National Society of Leadership and Success (NSLS) at Texas A&M / Member

09/2024 – Present

- Nominated by Texas A&M for academic excellence and leadership potential, a nationally recognized honor of distinction

Sea Aggie Coding Club & GESO x DataCamp Hackathon 2024

09/2024

- Won a sponsored hackathon focused on full stack web development principles and fast-paced project creation
- Developed an efficient student activity planner/budgeting software with seamless database connection
- Provided users with a messaging board, ability to share and plan events, user authentication, and budgeting summaries

Young Men's Service League Carrollton Chapter / Vice President

08/2018 – 05/2022

- Volunteered 200+ hours for local philanthropies and won national awards, exemplifying a heart to serve others in need

First Tech Challenge Robotics / Builder, Engineering Notebook Head

08/2018 – 05/2019

- Created a detailed account of our FTC World Championship journey and contributed to our competition-winning robot

TECHNICAL SKILLS

Languages/Developer Tools: C/C++, Python, Golang (Go), Apollo-Client, GraphQL, YAML, Prometheus, HTML, CSS, JavaScript (JS), TypeScript (TS), React, MySQL, PostgreSQL, NodeJS, Ocaml, Racket, LaTeX, Git, GitHub, Grafana, Postman, Docker, DataGrip