

Spencer Le

spencerle@tamu.edu | (832) 788-4968 | LinkedIn.com/in/spencerle25 | Github.com/spencer-le

EDUCATION

Texas A&M University

Bachelor of Science in Computer Science, Minor in Statistics

College Station, Texas

GPA: 3.74, May 2025

Relevant Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Machine Learning, Computer Systems, Programming Studio, Computer Organization, Linear Algebra, Discrete Structures, Calculus III, Statistics II

SKILLS

Programming Languages: Python, C++, Java, JavaScript, Assembly, HTML, CSS, React, Next, MATLAB, Node, R

Experienced In: Adobe Photoshop, Adobe Premiere Pro

EXPERIENCE

Arkysis – Software Engineering Intern

June 2023 – August 2023

- 3D modeled a spaceport and robotic arm via **Blender/CoppeliaSim** and calculated robotic arm workspaces in **MATLAB**
- Generated 3D meshes from workspace calculations and simulated robotic arm movements on different mounting bays
- Project manager for a team of 5 summer interns: planned objectives/deadlines and communicated with each member
- Formulated recommendations and presentation to advise Arkysis on selecting a robotic arm and port mounting locations

Texas A&M Technology Services – Student Technician

June 2023 – Present

- Answers support tickets, phone calls, and walk-ins; solves issues involving computers, monitors, software, network, etc.
- Installs audio/video technical equipment and network wiring around Zachry Engineering Education Complex
- Maintains security of technical equipment and assists in day-to-day operations of the engineering department

Engineering Summer Bridge Program – Tutor/Peer Mentor

July 2023 – August 2023

- Tutored pre-calculus/calculus and mentored 88 first generation, engineering freshmen about academic and social success
- Facilitated daily 3-hour study sessions for 5 students, attended math prep seminars, and spoke on student panels

PROJECTS

E-Commerce Website

Summer 2023

- Launched an e-commerce website to sell/post belongings using **React JS, Next JS, MongoDB, Redux Toolkit, Next Auth.**
- Created a cart that displays the products added, updates prices and an admin dashboard with additional functionalities
- Designed a checkout page with validated forms, multiple payment methods, and an option to use coupons for discounts
- Implemented a newsletter system, authentication page, email verification, and password reset functionality

Attendance Application

May 2023

- Developed a computer application to manage and interpret user-selected attendance and roster data using **Java**
- Integrated a GUI using **JavaFX** and **Scene Builder** that provided file input, text input, and button recognition functions

STL Classes – C++

Fall 2022

- **Recreated various data structures from C++'s standard library classes:** including string, vector, list, unordered map
- Explored the fundamentals of rule of five, iterators, pointers, and memory management as well as runtime/time complexities

LEADERSHIP EXPERIENCE AND ACTIVITIES

Aggie Competitive Programming Club – Member

Spring 2023 - Present

- Competes in programming contests organized by ACPC each semester and actively participates in weekly meetings
- Practices competitive programming techniques and algorithmic problem-solving skills through weekly problem sets

Memorial Student Center Freshmen in Service and Hosting – Marketing Assistant Director

Fall 2021 – Spring 2023

- Produced videos and designed advertisements for service events, while managing orders with merchandise companies
- Organized and executed large-scale service events (e.g., FLO Bowl and Kyle Field Day with 1500+ participants)
- Demonstrated leadership to 98 freshmen and helped develop professionalism through service and hosting