

Jacob Nguyen

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SUMMARY

Seeking a software engineering internship for the Summer of 20223 where I can use my skills in C++ to design and develop innovative solutions, while also learning and growing as a software engineer. I am eager to contribute my passion for problem-solving and my ability to work collaboratively in a team environment to make a positive impact on the company.

EDUCATION

Texas A&M University, College Station, Texas December 2023
Degree: Bachelor of Science in Computer Engineering
Relevant Coursework: Data Structure & Algorithms, Database Systems, Computer Architecture & Design
GPA: 3.425

PROJECTS

Threading and Synchronization November 2022

- Implemented multithreading to increase the efficiency of sending data between a client and server (C++)
- Learned about synchronization primitives such as mutexes and condition variables when working with threads

PawData July 2022

- Collaborated with a team of 5 to build a full-stack application to create a database for Bella's Buddies
- Implemented the Commands tab to allow CRUD operations on the list of dog commands (VueJS, HTML, CSS)
- Built a REST API (Express, PostgreSQL) that can directly query with a database on AWS
- Setup the connections from the backend server to the frontend and the backend server to the database

Book Record Library October 2021

- Stores records of books in an alphabetical vector of doubly linked list
- Implemented a search, import, and export function for the library (C++)

TECHNICAL SKILLS

Programming Skills: C++, JavaScript, HTML/CSS, Python

Familiar Tools: Vue, PostgreSQL, NodeJS, Express, Git

ACTIVITIES

Aggie Coding Club January 2020 – February 2021
Member

- Learned about new technologies applicable to the field of computer science

Society of Scientists and Engineers August 2019 – May 2020
Member

- Learned professional skills applicable to the field of engineering