KHANG NGUYEN

khangnguyen520@yahoo.com – (682) 433 -3643 – Fort Worth TX, United States, 76131 – www.linkedin.com/in/nguyen-khang

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EDUCATION

University of North Texas
BS Computer Science

August 2019 – May 2022
Denton, TX

- GPA: 3.9/4.0 - Summa Cum Laude

SKILLS

- Programming Languages & OS: Linux, C/C++, Java, Python
- Front-end: ReactJS, HTML, Javascript, CSS, Tailwind CSS
- Database: PostgreSQL, MySQL, SQL

PROJECTS

Syllabus Database ReactJS, HTML, Javascript, CSS, SQLite3, NodeJS, Express
https://github.com/Karishad/2021-2022-Capstone-DB
React application (MERN stack with SQLite) that provides the same functionality as the Microsoft Access Database with a focus on a better UI/UX for making queries, updating the database, and generating syllabus pdfs.

Portfolio Website ReactJS, HTML, CSS, Javascript, Tailwind CSS
https://khang-nguyen-portfolio.netlify.app/
A personal portfolio website I made.

One-time pad message decryption Linux, C++
https://github.com/khang630/One-time-pad-Decryption.git
This program takes in several messages encrypted using a one-time pad and decrypts it. The caveat to this program is that the different messages must have been encrypted using the same one-time pad.

Simplified Advanced Encryption System (AES) Linux, C++
https://github.com/khang630/Simple-AES-encryption.git
This program takes in a string of plaintext and encrypts it using a much more simplified version of AES.

Bell-LaPadula secure system Linux, C++   https://github.com/khang630/Bell-LaPadula.git
This project was to implement a secure system that followed the Bell-LaPadula security model. There are subjects and objects where subjects can request access to certain objects.

Unix Shell Linux, C   https://github.com/khang630/Unix-Shell.git
This program is a recreation of the UNIX Shell where the program takes in commands from the keyboard and gives them to the operating system to perform.

INTERESTS

I like to play and compose arrangements for the piano. My favorite piano piece would be Chopin Nocturne E-flat Major, Op. 9 No. 2. I also like to watch movies and play video games.