CONG NGUYEN

(346) 204-0239 **|** nguyencongkhai1407@gmail.com

linkedin.com/in/cong-khai-nguyen **|** github.com/cong-khai-nguyen **|** cong-khai-nguyen.github.io/porfolio

EDUCATION

University of Houston, Houston, TX   **May 2023**
Bachelor of Science in Computer Science   GPA: 4.0/4.0

Relevant Courses: Data Structures and Algorithm, Computer Architecture, Operating System, Programming for Performance and Correctness

Lonestar University Park Champions for Education: Awarded for being in the top 5% in terms of GPA in the college

Lone Star College-CyFair Fall 2021 President's List: Awarded for accumulating at least 12 credit hours and have a semester grade point average of 3.30 or above for 6 or more credit hours

WORK EXPERIENCE

Plains All American, *Software Engineer Intern*   **June 2022 - Present**
- Designed a full-stack web app that processes raw data, dynamically runs the lottery with multiple variables for over 2000 entries and generated a report for the safety department's hazard recognition payout program. The web served approximately 100 internal users.
- Worked with GIS or geographic information system team to create accurate geospatial data of operational pipelines throughout North America for easy maintenance and prevention of spills/environmental violations.
- Reduced the network latency by 20% by building a local cache of map data and hiding certain layers and features automatically.
- Tools Used: ArcGIS, Streamlit, XlsxWriter, Pandas, Python.

Lone Star College, *Teaching Assistant*   **February 2022 – April 2022**
- Led student discussion sections, held office hours, and graded programming assignments for CS 1336, "Computer Science Programming" and CS 1437, "Introduction to Programming."
- Worked with CS students to strengthen their understanding of class materials and get As on their test.

PROJECTS

Tip Calculator App
- Created a simple Android tip calculator app with customized tip percentage, and theme based on time of day.
- Incorporated extensions that allow to split the bill by N people, or round the final amount up/down.

SWE Salary Predictor
- Processed Stack Overflow Annual Developer Survey for 2021 and developed a Machine Learning model.
- The Machine Learning model will give users the predictions of their approximated salaries based on their level of education, the country they reside, and their years of experience.

Chatbot
- Designed a Feed Forward Neural Network chatbot that responds to question from users with TensorFlow.
- Used word normalization/tokenization, Lancaster Stemmer.

E-commerce
- Developed, tested, and evaluated an e-commerce website in a form of an auction using Django framework with authenticator and user management.
- All users' preferences and histories are saved into a linked SQL database for the ease of access and lookup.

IHOP
- Designed a brand-new website with new IHOP theme and added features such as English/Spanish pages and finding closest IHOP restaurant.

SKILLS

- **Languages**: Java, C++, HTML, SASS/CSS, JavaScript, SQL, Python, SQL, Kotlin.
- **Framework and Tools:** TensorFlow, Streamlit, Flask, Django, SQLite, NumPy, Pandas, Leaflet, React, ArcGIS, VSC.