CONG NGUYEN

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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 generates 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 tests.

PROJECTS

Tip Calculator App   **Kotlin, Android Studio**   **Fall, 2022**
- 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   **Python, Streamlit**   **Summer, 2022**
- Processed Stack Overflow Annual Developer Survey for 2021 and developed a Machine Learning model.
- The supervised Machine Learning model, Linear Regression, will give users the predictions of their approximated salaries based on their level of education, the country they reside, and their years of experience.

E-commerce   **Python, HTML, SCSS, JavaScript, Django**   **Spring, 2022**
- 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.

Chatbot   **Python, TensorFlow**   **Fall, 2021**
- Designed a Feed Forward Neural Network chatbot that responds to question from users with TensorFlow.
- Used word normalization/tokenization, Lancaster Stemmer.

IHOP   **HTML, CSS, JavaScript, Dreamweaver**   **Summer, 2020**
- 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, Kotlin.
- **Framework and Tools:** TensorFlow, Streamlit, Flask, Django, SQLite, NumPy, Pandas, Leaflet, React, ArcGIS, VSC.