

# CONG NGUYEN

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## EDUCATION

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### University of Houston, Houston, TX

December 2023

Bachelor of Science in Computer Science

GPA: 4.0/4.0

**Relevant Courses:** Data Structures and Algorithm, Computer Organization and Architecture, Programming for Performance and Correctness

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

**Lonestar College-CyFair 2021 President's List:** Accumulating 15 credit hours and have a semester grade point of 4.0

## WORK EXPERIENCE

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### 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

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### Tip Calculator App

Fall 2022

- Created an Android tip calculator app with customized tip percentage, and theme based on time of day using *Kotlin*
- Incorporated extensions that allow to split the bill by N people, or round the final amount up/down

### SWE Salary Predictor

Summer 2022

- Processed Stack Overflow Annual Developer Survey and developed a ML model with *Python* and *Streamlit*
- 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 in, and their years of experience

### E-commerce

Spring 2022

- Developed an e-commerce website in a form of an auction using *Python*, *HTML*, *SCSS*, *JavaScript*, *Django* framework with authenticator and user management
- All users' preferences and histories are saved into a linked *SQL* database for ease of access and lookup
- Integrated with *Stripe API* to enable online payments

### Chatbot

Fall 2021

- Designed a Feed Forward Neural Network chatbot that responds to question with *TensorFlow* and *Python*
- Preprocessed data using tokenization and word normalization or stemming algorithm, *Lancaster Stemmer*

### IHOP

Summer 2020

- Designed a brand-new website with new IHOP theme and added features such as English/Spanish pages and finding closest IHOP restaurant using *HTML*, *CSS*, *JavaScript*, *AJAX*

## SKILLS

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- **Languages:** Java, C++, HTML, SASS/CSS, JavaScript, SQL, Python, Kotlin
- **Framework and Tools:** TensorFlow, Streamlit, Flask, Django, SQLite, NumPy, Pandas, Leaflet, React, ArcGIS, VSC, Stripe, Axon, OpenCV, Matplotlib, Data Frame, AJAX and APIs, Eclipse, PyCharm, MySQL, Android Studio