Duyen (Cindy) Dang

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EDUCATION
B.S. in Computer Science, University of Houston, Houston, TX   Expected May 2025
Honors: Dean's List Spring 2022 – Fall 2023   Major GPA: 3.75
Relevant Coursework: Algorithms and Data Structure, Computer Organization & Architecture, Operating Systems, Data Science, Fundamentals of Artificial Intelligence, Software Design

SKILLS AND CERTIFICATIONS
- **Programming:** Java, Python, C++, SQL
- **Software:** Netbeans**,** Visual Studio, PyCharm, Microsoft Office
- **Certifications**: CodePath Intro to Cybersecurity (Fall 2024)
- **Languages**: Bilingual in English and Vietnamese

ACADEMIC PROJECTS
Diabete predictor, Data Science II   Fall 2024
- Developed six machine learning and deep learning models, including Logistic Regression, Random Forest, SVM, multiple MLPs, to predict binary using 2015 BRFSS dataset.
- Optimized MLP models by using Keras Tuner and Sequential API to tune hyperparameter
- Achieved a recall of 81% in an MLP model

Volunteer Matcher, Software Design   Fall 2024
- Developed a web application to match volunteers and jobs using Python, Javascript, CSS and SQL
- Incorporate flask session to allow multiple users logged in as volunteers or admins to use different features
- Developed a unit test folder with modular test cases to ensure code reliability and maintainability

COVID-19 Analyzer, Data Science I   Spring 2024
- Conducted exploratory data analysis to detect underlying pattern in data set
- Implemented classification models using machine learning algorithms such as SVM, K-fold cross-validation
- Incorporated scikit-learn and seaborn library for data visualization

Tower of Hanoi, Programming and Data Structure   Spring 2022
- Developed Tower of Hanoi game in C++, implementing recursive algorithms for solving the puzzle efficiently
- Implemented a stack data structure to fit with the game's Last-In-First-Out characteristics
- Passed 10 test cases with different 3 to 5 towers scenarios

Financial Assistance Desktop Application, IB Advanced Computer Science 2   Fall 2020 - Spring 2021
- Created a database to summarize and analyze spending within a family incorporated SQL into Java
- Tested the database with 100% accuracy for tracking expenditures for up to five separate users

EXPERIENCE
Barista, KungFu Tea   Fall 2022
- Presented a positive first impression of the establishment's friendliness, excellent service, and high standards by greeting guests, effectively communicating menu options, and accurately entering data into point-of-sale systems
- Collaborated with the manager to provide suitable solutions for customer concerns
- Coordinated with coworkers to efficiently complete and distribute orders during high-volume times
- Maintained drink prep areas to comply with industry standards of cleanliness
- Trained 1 new employee in store protocols and procedures with on-the-job-training

ACTIVITIES
Career Fair Volunteer, The University of Houston   Fall 2023
- Collaborated with volunteers team to provide information for students and employers during the event
- Managed event logistics, assisted students with registration, and ensured a smooth check-in process

Arts and Crafts Friday, The Village Elementary School   Fall 2020 - Spring 2021
- Co-developed and organized engaging art lessons for 10 elementary students weekly
- Coordinated with staff to schedule event times and venues
- Communicated in-person with the parents regarding each student's accomplishments