Hong K. Nguyen

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EDUCATION

Evergreen Valley College   **San Jose, California, Untied States**
Computer Science for Transfer (AS-T)   *Expected Graduation, Dec 2027*
- **GPA:** 3.71/4.00
- **Related Coursework:** Introduction to Java, Introduction to Data Structures, Foundations of Data Science, Calculus I, Calculus II

EXPERIENCE

Evergreen Valley College Tutoring   **San Jose, California, United States**
Embedded Data Science Tutor   *January, 2025 – Present*
- Supported student learning in Python and NumPy for data manipulation and assisted with executing data visualizations using Matplotlib.

Wellness Pharmacy   **Los Gatos, California, United States**
Pharmacy Clerk Part Time   *September, 2023 – Present*
- Entered new prescriptions from doctor offices, assisted patients with medication pickups and phone inquiries, and maintained calm, effective communication under pressure while multitasking across pharmacy operations.

PROJECTS

Simple Bank App
- Developed a Java-based banking application using SWING GUI for user-friendly interaction.
- Integrated MySQL database to securely store and manage user data, including account balances and transactions.
- Implemented core features such as deposit, withdrawal, transaction history, and fund transfers.

Simple Weather App
- Built a Java application with SWING GUI to display real-time weather data using Open-Meteo API.
- Retrieved and presented weather information, including temperature, humidity, and wind speed.

Student Performance Prediction Using Machine Learning
- Built a machine learning pipeline to predict student writing scores, handling data preprocessing and model tuning with RandomizedSearchCV, which improved model R^2 score of 0.91 on the test set.

ACTIVITIES AND LEADERSHIP

Computer Science Club   **Evergreen, California, United States**
Project Manager Role   *February, 2024 – May, 2024*
- Led a robotics project using a Raspberry Pi G1 Tank, learning the fundamentals of robotics and assembly.
- Implemented obstacle detection and navigation features using pre-built components.

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS
Tools: Jupyter Notebooks, Git, Visual Studio Code, IntelliJ DEA CE, Geany, PyCharm, NumPy, DataScience module, Scikit-learn (learning), Pandas (learning), Docker (learning)