

Hong K. Nguyen

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TECHNICAL SKILLS

Languages: Java, SQL, Python

Frameworks & Libraries: Spring Boot, JUnit, NumPy, Scikit-learn

Developer Tools: IntelliJ IDEA, Maven, Docker, GitHub, Git

EDUCATION

Evergreen Valley College

Expected Graduation May 2027

Associate's Computer Science

GPA: 3.76

- **Expected transfer to 4-year university:** Fall 2027 (top choice: UC Berkeley)
- **Related Coursework:** Introduction to Java, Data Structure and Algorithms, Object-Oriented Programming, Foundations of Data Science, Discrete Structures, Structure and Interpretation of Computer Programs

EXPERIENCE

Java Programming Tutor (Part-time)

Aug 2025 – Present

Evergreen Valley College

San Jose, CA

- Collaborated with students on Java, OOP, and data structures, reinforcing core software engineering skills.
- Worked closely with peers to debug algorithms and improve problem-solving efficiency.
- Mentored students by preparing them for advanced CS coursework and exams.

Data Science Embedded Tutor (Part-time)

Jan 2025 – May 2025

Evergreen Valley College

San Jose, CA

- Guided students in Python and NumPy for data cleaning and transformation, emphasizing teamwork and collaboration.
- Facilitated in-class activities as an embedded tutor, reinforcing visualization, inference, and analysis concepts.
- Assisted with debugging code, optimizing scripts, and understanding data science workflows.

Project Manager (Part-time)

Jan 2024 – May 2024

EVC Computer Science Club

San Jose, CA

- Led and collaborated with a 4-member team to design and assemble a Raspberry Pi G1 Tank, applying robotics and hardware integration.
- Took ownership of project planning, feature implementation, and code reviews.
- Coordinated navigation and obstacle detection features, ensuring efficient teamwork and successful delivery.

PROJECTS

Simple Bank App | Java, Java Swing, MySQL, JDBC

- Collaborated with peers to design and implement a full-stack Java banking application with secure user authentication and account management.
- Architected a robust MySQL database to manage accounts, transactions, and balances (deposits, withdrawals, transfers).
- Took ownership of feature development from design to deployment, ensuring modular, object-oriented code using abstract GUI components and database layers.

Simple Weather App | Java, Java Swing, JSON.simple, REST APIs

- Developed a Java-based weather app with real-time data from Open-Meteo APIs, providing a user-friendly GUI.
- Solved complex data parsing challenges with HttpURLConnection and JSON handling for weather conditions, geolocation, and time zone data.
- Worked closely with team members to optimize for efficiency, scalability, and maintain a clean separation of GUI and backend.

Job Career Level Classification ML System | Python, NumPy, Scikit-learn, Pandas

- Built a machine learning system achieving 77% accuracy using Random Forest, applying TF-IDF vectorization and feature engineering
- Solved challenges with imbalanced datasets using SMOTE and Chi-squared feature selection, improving classification fairness.
- Led model optimization efforts with GridSearchCV hyperparameter tuning and feature engineering across multiple job-related fields.