

Jose R. Herrera

571-919-5448 | hejoric@outlook.com | linkedin.com/in/hejoric | github.com/hejoric

EDUCATION

University of Virginia

Charlottesville, VA

BS Computer Science

Expected May 2027

- **Relevant Coursework:** Software Development Essentials (Java, Gradle, JDBC, Hibernate), Data Structures & Algorithms II, Probability, Intro to Cybersecurity
- **Spring 2026:** Artificial Intelligence, Machine Learning, Data Science with R, Software Engineering (Django, Heroku, AWS)

Northern Virginia Community College

Annandale, VA

AS Engineering

May 2025

- **Relevant Coursework:** Object-Oriented Programming, Data Structures & Algorithms, Calculus I-III, Linear Algebra, Discrete Mathematics

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, SQL, R **Technologies:** Git, JDBC, Hibernate, Gradle, SQLite, PostgreSQL, JavaFX, Docker, Django, Heroku, AWS, React

Certifications: AWS Cloud Practitioner

PROJECTS

Course Review CRUD Application | *Java, JavaFX, SQLite, JDBC*

Fall 2025

- Built full-stack JavaFX application enabling students to create, read, update, and delete course reviews with user authentication and persistent SQLite data storage
- Designed relational database schema using JDBC with proper foreign key constraints and data integrity
- Developed GUI with login system, course search, review submission forms, and dynamic ratings visualization
- Collaborated in team of 3 using Git, implementing secure password hashing and input validation to prevent SQL injection

Smart Inventory Management System | *Python, FastAPI, React, SQLAlchemy* In Development

- Designing full-stack inventory management system inspired by family business to replace manual and legacy workflows
- Implemented RESTful APIs using FastAPI with React frontend for stock tracking and sales analytics
- Structured backend using layered architecture and ORM patterns with SQLAlchemy, emphasizing maintainability and data integrity

Cryptography Implementations | *Python*

Spring 2025

- Implemented RSA encryption algorithm from scratch, demonstrating understanding of public-key cryptography and modular arithmetic
- Developed cryptocurrency simulation exploring blockchain concepts, hash functions, and transaction validation

EXPERIENCE

Produce Associate

Sep 2024 – Jul 2025

Costco Wholesale

Sterling, VA

- Collaborated in fast-paced team environment while maintaining full-time coursework, demonstrating strong time management
- Utilized AS/400 mainframe system for inventory tracking and sales analysis, gaining exposure to legacy enterprise systems

Restaurant Server

Aug 2023 – Feb 2024

Great American Restaurants

Sterling, VA

- Coordinated with cross-functional team in high-pressure environment serving 100+ guests per shift
- Developed problem-solving and communication skills managing customer needs across diverse backgrounds

ADDITIONAL INFORMATION

Languages: Fluent in English and Spanish; studying Japanese and Korean