

Yunke Nie

San Jose, CA | nie.yun@northeastern.edu | (571)-599-6403 | [LinkedIn](#)

Education

Northeastern University – Silicon Valley
Master of Science in Computer Science

Sept 2022 – May 2024 (Expected)
San Jose, CA

Rose-Hulman Institute of Technology
Bachelor of Science in Computer Science

Sep 2018 – May 2022
Terre Haute, IN

- Overall GPA: 3.53/4.00; Major GPA: 3.68/4.00; Graduated with Cum Laude Praise
- Minor in Data Science & Japanese

Selected Coursework

Software Design	Advanced Database Systems	Data Mining
Design & Analysis of Algorithms	Theory of Computation	Programming Language Concepts
Computer Networks	HCI Design & Thinking	Computer Architecture

Work Experience

Rose-Hulman Institute of Technology
Teaching Assistant

Mar 2021 – May 2022
Terre Haute, IN

- Assisted students with understanding and applying fundamental concepts across Operating System and Computer Network classes in an efficient and friendly manner
- Broke down large concepts into smaller components and established connections to other programming procedures to maximize learning capabilities and teaching pace
- Helped professors in grading homework and exams to meet delivery deadlines

Intecular

Jun 2022 – Aug 2022

Data Analyst (Part time)

San Jose, CA

- Analyzed data from Facebook ads Insights API to provide critical ads optimization feedback
- Developed a data visualization project to display ads efficiency (views vs. ads cost) across various time periods with automated weekly updates for fast iterative feedback.
- Improved 20% ads efficiency by advertising in the high-efficient time period

Projects

RoseQuarry

Sep 2021 – May 2022

- Implemented database backup and recovery functions to allow for data recovery while using docker with undo functions
- Designed and implemented a state machine with integrated functions triggered through state transitions to establish a reliable source of truth

Movie Review System

Mar 2021 - May 2021

- Created a storage system for movie reviews using CouchDB, Redis, and Neo4j for data storage polyglot persistence
- Implemented message queue for data consistency across all databases with Kafka

Technical Skills

Programming Languages: Java, Python, C#, C, Petite Scheme

Frameworks: Spring Boot, Firebase

Databases: SQL, MongoDB, CouchDB, Redis, Neo4j