

Neil Shastri

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EDUCATION

University of Illinois at Urbana-Champaign

Aug 2023 – May 2027

BS-MCS in Computer Science – Hoelt T&M Admit

4.00 GPA

- System Programming (IP), Applied Machine Learning (IP), High Frequency Trading Technology (IP)
- Algos. & Models of Comp., Databases, Comp. Architecture, Data Structures, Prob. & Stat. in CS
- Engineering Ambassadors (Tech Exec/ Treasurer), ACM (Corporate Liaison/ Mentor), Engineering Student Alumni Ambassadors (Marketing/ Membership Director), Theta Tau Professional Engineering Organization

WORK EXPERIENCE

Adyen

Aug 2025 – Present

Software Engineering Intern

Chicago, IL

- Engineering Android features in Kotlin through Compose for the In-Person Payments team, utilizing Android Studio and GitLab CI/CD to accelerate build, testing, and deployment cycles
- Building mobile payment services for global clients by integrating AI-based translation frameworks (Smartling) and implementing screenshot testing (Paparazzi) workflows to validate functionality across hundreds of languages

Motorola Solutions

Mar 2025 – Jul 2025

Software Engineering & Product Management Intern

Champaign, IL

- Built a comprehensive testing pipeline to explore and fine tune neural vocoder models (Google's Lyra V2, HuggingFace's Mimi, etc.) for low latency applications, achieving a 40% enhancement in audio fidelity
- Led a cross-functional team of 5 engineers on the Battery Fleet Management initiative, driving development timelines and architecting an Android application in Java / XML to organize data for thousands of batteries
- Conducted comprehensive customer research to gather feedback, enhance product features, and guide product vision for international stakeholders

Siebel School of Computing & Data Science

Aug 2024 – Dec 2024

Course Assistant – Intro to Computer Science

Champaign, IL

- Provided instructional support to students learning Java through the course forum and tutoring site
- Explained programming fundamentals including object oriented programming, recursion, and data structures

Ford Motor Company

May 2024 – Aug 2024

Software Reflash Technician

Chicago, IL

- Contracted by Novellus Engineering through Kelly Services for the Phoenix Module Reflashing Project
- Ensured the correction of 2025 Ford Explorer infotainment systems by reflashing 25,000+ vehicles using the Ford Diagnostic Engineering Tool, MyCANIC IoT, and OTA technology to replace faulty software from assembly plant

PROJECTS

SkipTrip | Database Systems Project (CS411)

Jan 2025 – May 2025

- Developed a full-stack application leveraging Google Cloud SQL to store and query historical airfare datasets and real-time API data, enabling users to identify the cheapest flights and optimal booking times
- Engineered a skiplagging feature by analyzing multi-leg flight data, helping users save through strategic layovers

RAG Chatbot | CUBE Consulting

Oct 2024 – Dec 2024

- Collaborated on an agile team of 8 members to develop a RAG chatbot for real-time data analysis, resulting in a 330% boost in operational efficiency for a Chicago-based ticket brokerage company
- Leveraged OpenAI's robust Assistants API, along with 5 additional ticketing/media APIs, enabling advanced feature integration into the UI for data-driven decision-making

Predictive Modeling for Lung Diseases | Honors Project (CS124H)

Aug 2023 – Dec 2023

- Conceptualized a regression model for lung disease prediction, using 2 Kaggle datasets including 8000+ features
- Designed an intuitive UI with Figma, incorporating 100% user feedback to optimize usability

TECHNICAL SKILLS

Languages: Python, Java, C++, HTML/CSS, SQL

Frameworks/Libraries/Etc: NumPy, pandas, matplotlib, smtplib, REST API

Developer Tools: Git/ Github, VSCode, Android Studio, Jupyter, Azure AI Foundry, Jira, Figma