

# Samir Hadi Cisneros

[samirhadii.github.io](https://samirhadii.github.io)

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## PROFESSIONAL EXPERIENCE

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- BNY** New York, New York  
Software Engineer August 2024 – Present
- Contributed to engineering a **scalable** distributed cost basis platform processing over 2 million daily transactions.
  - Optimized API and data pipelines with Java, Spring Boot, SQL, and Spark, resulting in a 60% performance boost.
  - Collaborated with business stakeholders to implement **backend features**, accelerating release timelines by 40%.
  - Ensured **code quality** leading code reviews, unit tests, version control standards w/ colleagues across time zones.
- Wirtgen Group** Atlanta, Georgia  
Full-Stack Software Engineer Contract October 2023 – June 2024
- Directed the development of an inspection app with reporting that cut monthly operational costs by \$10,000+.
  - Actively collaborated** with company stakeholders to refine product requirements, streamlining launches by 60%.
  - Thrived in an agile environment, adeptly navigating evolving project requirements, increasing client satisfaction.
- CLEAR** New York, New York  
Software Engineering Intern June 2023 – August 2023
- Pioneered a proof of concept in the flagship iOS app resulting in a significant speedup in verification time.
  - Created a comprehensive full-stack demo service utilizing **Swift, React, & Flask** to propose to senior leadership.
  - Implemented enhancements that streamlined CLEAR plus verification experience for over 5 million members.
- Signify – Cooper Lighting Solutions** Atlanta, Georgia  
Software Engineer Intern January 2023 – May 2023
- Revamped the backend structure of Wavelinx Lite app leading to a 20% acceleration of API development time.
  - Operated as a backend engineer building API's using **Java/Spring** Framework to enhance app functionality.
  - Collaborated with frontend developers ensure seamless integration between frontend and backend components.

## PROJECTS

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- Euterra**
- Developed a real estate platform that identifies prolific house flippers in a region using a custom **machine learning** model.
  - Built a **data miner** in Python to scrape real estate data and indexed a PostgreSQL database for efficient storage & querying.
  - Created a **full-stack web app** with React & FastAPI, providing users with easy access to view prolific house flipper data.
- Wirtgen Inspection App**
- Deployed a full-stack inspection app, featuring **predictive dashboards** for admins and photo-inspections for employees.
  - Architected the app using React Native in the frontend and implemented a FastAPI backend with Python & PostgreSQL.
  - Introduced a data-driven approach to parts replacement, empowering admins to minimize downtime and optimize costs.
- Itini-ready**
- Developed the backend of an itinerary generator that makes **personalized recommendations** based on user preferences.
  - Collaborated with front-end developers to ensure seamless integration of the backend with the front-end user interface.
  - Implemented this using Flask server in Python, integrating Maps APIs and **machine learning** text vectorization models.

## SKILLS

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**Languages:** Python, Java, Swift, JavaScript, SQL, Typescript, C, C++, HTML, CSS, SQL, PHP

**Frameworks & Tools:** Spring, FastAPI, Apache Spark, Hadoop, React, Flask, Django, SwiftUI, PyTorch, Node.js, SQLAlchemy

**Fluent in Spanish** - Received Georgia Seal of Biliteracy

## EDUCATION

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**Georgia Institute of Technology** Atlanta, Georgia  
Master of Science in **Computer Science** w/ **Machine Learning** specialization August 2024 – December 2026

Relevant Coursework:

Machine Learning, Machine Learning for Trading, AI Ethics and Society

**University of Georgia** Athens, Georgia  
Bachelor of Science in **Computer Science** August 2020 – December 2023

Relevant Coursework:

Software Engineering, Data Structures, Algorithms, Operating Systems, Web Programming, Mobile Dev, Computer Graphics