

# SAMUEL FESSEHAYE

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## EDUCATION:

**Indiana University - Purdue University Indianapolis (IUPUI) |**  
**Bachelor of Science in Computer Science / Minor in Mathematics**  
**GPA:3.3**

Dec '22

## EXPERIENCE:

### JPMorgan Chase & Co.

#### Software Engineer Summer Intern

Jun – present

- Currently working as a Full-time Software Engineer working with technologies such as .NET, Spring, Kafka, Oracle etc.

### IUPUI

#### Teaching Assistant / Grader

Aug '21 – Dec '22

- As Peer Leader in CSCI 24000, an intermediate programming course, I held lab classes online and/or in person.
- Helped students understand key concepts in Object-Oriented-Programming in C++ and Java.
- Graded students work and provide constructive feedback.

### JPMorgan Chase & Co.

#### Software Engineer Summer Intern

Jun – August '22

- Developed a web application that could be used by new interns and won **2<sup>nd</sup> place in JPMC's Global Hackathon** event.
- Developed an internship project that could be used by branches to report incidents, and Global Security could see a dashboard with data/stats to act.
- Learned Full-Stack development with React, Java Spring-Boot, Oracle Database, Cassandra.
- Acquired good experience with Agile Methodology and using Jira to manage projects. Also, running scrum meetings as scrum master throughout sprints.
- Used Confluence Atlassian software to collaborate and document project progress.
- deployed application to firm's datacenter with Cloud Foundry push (CF push)

### IUPUI

#### Research Assistant

Sep '21 – May '22

- Collaborated with a multidisciplinary team to complete research
- Redesigned a better prototype of the device based on research
- Improved a performance of the software by reviewing and rewriting it
- Presented our findings at a research symposium at IUPUI

## PROJECTS:

### Major Projects Completed in Courses

- Airline Reservation System with OOP design in Java, run in command line.
- Simple spelling checker and word suggestion program using HashMap data structure in C++
- Hospital Database System with Oracle, PL/SQL.
- Website for IUPUI students to report their internship hours, built with HTML, CSS, PHP

### Other Projects:

- Created my e-Portfolio website using React

## RELEVANT COURSES:

- |                                 |                                    |                         |
|---------------------------------|------------------------------------|-------------------------|
| • Principles of Software Design | • Principles of Software Engineer  | • Systems Security      |
| • Server-Side Programming,      | • Architecture of Computers        | • Theory of Computation |
| Adv Oracle Database             | • Fundamentals of Software Project | • Multidimensional Math |
| Programming                     | Management                         | • Linear Algebra        |
| • Database Systems              | • Introduction to IoT              | • Calculus I, II & III  |
| • Algorithms & Data Structures  | • Intro to Operating Systems       | • Mechanics             |

## TECHNICAL SKILLS:

- |                           |  |                      |
|---------------------------|--|----------------------|
| • Object-Oriented Design  | • Java, C#, C++, JavaScript, Python,   | • IntelliJ, VS Code, |
| • Database Design         | • Oracle DB, Cassandra, MySQL,         | Atom, Eclipse        |
| • Server-Side Development | MongoDB, PL/SQL                        | • Azure data studio, |
| • Agile Methodology       | • HTML, CSS, PHP, React, .NET,         | phpMyAdmin, Oracle   |
| • Design Patterns         | Spring.                                | SQL Developer        |
|                           | • Git, Kafka, Jira, Confluence, Jules, | • Postman, Swagger   |
|                           | Jenkins                                |                      |