# SAMUEL FESSEHAYE

(317) 970-6959 | sawefess@iu.edu | Indiana

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## EDUCATION:
**Indiana University - Purdue University Indianapolis (IUPUI) |**
**Bachelor of Science in Computer Science / Minor in Mathematics**                                  Dec '22
**GPA:3.3**

## EXPERIENCE:
**JPMorgan Chase & Co.**                    **Software Engineer**                                  Feb '23 – present
- Currently, I am a Full-time Software Engineer working with technologies such as .NET, Spring, Kafka, Oracle, etc.

**IUPUI**                            **Teaching Assistant / Grader**                              Aug '21 – Dec '22
- As Pear 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 **2nd 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:
**Projects**
- 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
- e-Portfolio built using react and hosted in Netlify

**Certification:**
- AWS Cloud Practitioner | 2023-2026

## RELEVANT COURSES:
- Principles of Software Design
- Server-Side Programming,
- Adv Oracle Database Programming
- Database Systems
- Algorithms & Data Structures

- Principles of Software Engineer
- Architecture of Computers
- Fundamentals of Software Project Management
- Introduction to IoT
- Intro to Operating Systems

- Systems Security
- Theory of Computation
- Multidimensional Math
- Linear Algebra
- Calculus I, II & III
- Mechanics

## TECHNICAL SKILLS:
- Object-Oriented Design
- Database Design
- Server-Side Development
- Agile Methodology
- Design Patterns

- Java, C#, C++, JavaScript, Python,
- Oracle DB, Cassandra, MySQL, MongoDB, PL/SQL
- HTML, CSS, PHP, React, .NET, Spring.
- Git, Kafka, Jira, Confluence, Jenkins

- IntelliJ, VS Code, Atom, Eclipse
- Azure data studio, phpMyAdmin, Oracle SQL Developer
- Postman, Swagger