

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

Jun – 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 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 provided 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:

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 | |