

# David Obaro

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## EDUCATION

### University of Pittsburgh

Pittsburgh, PA

B.S. in Computer Science, cum laude & Minor in Economics

Aug 2021 – May 2025

- **Relevant Coursework:** Data Structures and Algorithms, Computer Org. & Assembly Language, Intro to Systems Software, Software QA, Software Engineering, Programming Languages for Web Apps, Intro to ML, Interface Design Methodology, Mathematical Foundations of ML, Structure of Programming Languages.
- **Activities & Awards:** Computer Science Club at Pitt, National Society of Black Engineers, School of Computing and Information Dean's List

## TECHNICAL SKILLS

- **Languages:** Java, Python(pandas, numPy), C, x86, Javascript, SQL, R, Swift
- **Technologies & Concepts:** MS Office, Linux, GitHub, Postman, HTML5/CSS, JUnit, Mockito, Selenium, Git, Agile, CI/CD pipelines, Docker, Flyway, Spring Boot, Postgres, Jira, Heroku

## EXPERIENCES

### Software Engineering Intern

May 2024 – June 2024

UPMC Enterprises

Pittsburgh, PA

- Collaborated with an **agile** team to develop an internal **Spring Boot** web application that processes SMS record logs to identify unintended message spikes caused by the medical record system changes.
- Built **ETL** pipelines to parse, transform, and load over **100,000** records per session into a **postgreSQL** database using **Flyway** for seamless schema migration.
- Implemented **5 API** routes using **java** and **java.sql** to query, filter, and serve relevant records to the **AngularJS** frontend.
- Designed **python** scripts with **SQLAlchemy** to normalize data fields, increasing database searchability and query accuracy.

### Technology Help Desk Consultant

Jun 2023 – August 2024

University of Pittsburgh ~ Pitt IT

Pittsburgh, PA

- Assisted **50+** University community members weekly with troubleshooting software and hardware issues, exhibiting effective problem solving and customer service skills.
- Demonstrated mastery of Pitt systems and technologies by assisting and resolving account and multifactor authentication issues for students, staff, and faculty members, whilst upholding the highest customer service standards.

## PROJECTS

### CEC Check-in Kiosk and Database ~ SwiftUI, PostgreSQL, Flask, Python, Heroku

2025

- Collaborated with a team to build an **iOS** check-in kiosk app using **SwiftUI**, enabling streamlined visitor check-ins at the University's Community Engagement Centers (CECs).
- Worked with teammates to implement **Vapor**-based backend APIs (GET, POST, PATCH) handling check-ins and event retrieval; deployed through **Heroku** with continuous integration.

### System Unit Testing ~ JUnit, Mockito, Java

2024

- Collaborated with a partner to implement a sample rental system using Test Driven Development (TDD) principles and employing concepts from the SDLC.
- Developed and wrote unit tests for the classes using **JUnit** and **Mockito**, ensuring a 90% coverage for the codebase.

### Neighborhood Evaluator ~ Python, pandas

2022

- Collaborated with a team to develop a comprehensive metric for evaluating the best neighborhoods in Pittsburgh by combining data sourced from the Western Pennsylvania Regional Data Center.
- Analyzed the data for 200 neighborhoods, giving detailed evaluations of and producing a ranking of the neighborhoods.