

IREOLUWA ALARAPE

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EDUCATION

Carnegie Mellon University

Bachelor of Science in Information Systems GPA: 4.0/4.0

May 2025

Pittsburgh, PA

Relevant coursework: Imperative computation, Database Design and Development, Designing Human Centered Software.

WORK EXPERIENCE

WRAGBY Business Solutions

React Developer

Summer 2022

Lagos, Nigeria

- Developed React Native applications, enabling Lagos companies collect direct user feedback on physical products.
- Gained experience utilizing react components and Android studio for development testing.
- Coordinated with client to reiterate on designs and implement user stories.

Edupear

C.S. Tutor

Jun 2018 - Jul 2021

Lagos, Nigeria

- Created lesson plans for 30+ middle & high school students based on APCS curriculum.
- Led students to proficiency in Java, including basics of OOP, abstraction and proper style.
- Guided students through final personal projects.

PROJECTS

Youkaryote

April 2022

- Conceptualized, researched, and implemented Hexagonal-based RTS game to teach basics of cell biology.
- Modelled and implemented enemy AI using Dijkstra, A*, and monte-carlo algorithms.
- Engineered complex, pseudo-random map generation by adapting Cellular Automata and Prims Shortest Spanning Tree algorithms for a hexagonal based map.
- Language: python.

Pamela's Diner Project

Spring 2022

- Rehailed local Pittsburgh diner, Pamela's Diner's website from scratch to meet modern industry standards
- Designed and translated lo-fi and mid-fi UI/UX wireframes to HTML and CSS.
- Engineered and Developed 12 User stories and ran user tests.

ÉDÉ

Summer 2020

- Designed and implemented Language Schedule Organizer website to facilitate language learning.
- Configured back-end with flask and python, and queried the database with SQL.
- Leveraged javascript to curate personalized language learning schedule based on research and user goals.

ACTIVITIES

100 Black Men

Math Tutor

April 2021 - Current

Pittsburgh, PA

- Guided 10+ high-school students from Pittsburgh minority community, serving as a mentor and tutor.

The Tartan

Photographer

Sep 2021 - Current

Pittsburgh, PA

- Serve as professional field photographer and photo editor for campus related events.
- Over 4,000 copies printed and read by CMU community.

SKILLS

Software: Python, C, React, MySQL, Flask, C#, Java, L^AT_EX

Professional: Public Speaking and Debate, User Research, Microsoft Office Suite.

Language: Native proficiency in French and Yoruba.