Youssouf Ouedraogo

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LinkedIn: (https://www.linkedin.com/in/youssouf-ouedraogo/) **GitHub:** (https://github.com/Youssouf-Ouedraogo/)

Computer Science student with knowledge & experience in **Mobile Development**, **Database Management & Machine Learning.**
Interests in **Mobile development & Machine Learning.**

EDUCATION
Rutgers University, New Brunswick, NJ   May 2020
Bachelor of Science, **Computer Science**   **GPA:** 3.4/4.0
Honors: Dean's List – Fall 2018 - Fall 2019

TECHNICAL SKILLS
Languages : Java, Python, C, C++, JavaScript, MySQL, HTML, CSS, NoSQL
Concepts: Data Structures, Algorithms, Object Oriented Programing, Database Management, Machine Learning
Tools: Visual Studio Code, PyCharm, Microsoft Office, MySQL Workbench, Putty, Android Studio, Git, Firebase

TECHNICAL PROJECTS
RU Parking, Personal Project **(Android Studio/Java)**   **February 2020**
- Built and published on Google Play a parking app to ease Rutgers Student parking experience
- Used Google Map API to include maps so that users can easily drive to parking lots that they do not know
- Implemented a Waze like system to allow users to report parking availability to other users

Facial Recognition, Intro to AI **(Python/PyCharm)**   December 2019
- Designed and Implemented Perceptron Algorithm to recognize facial and non-facial images
- Designed and Implemented Mira Algorithm to recognize different digit numbers images
- Reached 85% accuracy while the professor expected 70%

A* Implementation, Intro to AI **(Python/PyCharm)**   October 2019
- Collaborated in a group of 3 to design and implement A* algorithm to find the shortest path of a maze
- Designed and programmed forward and backward A* algorithms

Plane Ticket Website, Principles of Information and Data Management **(MySQL/AWS/Workbench)**   August 2019
- Participated in building an airplane ticket reservation website with 2 other students
- Created EC2 and RDS instances over AWS to host database; wrote necessary queries for the website by joining different tables of our Relational Database

Educational App, Personal **(Android Studio/Java)**   April 2019
- Built an educational app to share the legacy of African leader Thomas Sankara
- Gathered data from different sources to ensure information accuracy and translate it into French
- Designed, built, debugged and tested app on different devices to ensure it works as intended on different devices
- Published app on Google Play where it currently has over 10,000 downloads; Upgraded app based on users' feedback

ChatApp, Object Oriented Programming **(Java/Visual Studio Code)**   May 2018
- Implemented the user interface of the app using Java Swing
- Classmates used App to collaborate and exchange ideas

EXPERIENCE
Transfer Mentor, **Rutgers University,** New Brunswick, NJ   January 2018 - Present
- Communicated with transfer deans to assist over 500 transfer students each semester to integrate at the university
- Walk transfer students through the services that the university has to offer and ensure their student needs are met

Kitchen Team Member & Server, **Sodexo Northampton,** Bethlehem, PA   September 2017- May 2018
Bicycle Mechanic, **Ouedraogo Motor Repair Shop,** Kaya, Burkina Faso   April 2008- March 2016

LEADERSHIP EXPERIENCE
Community Service Chair, **Black Male Collective (BMC) Rutgers**   September 2019 – Present
Student Athlete, **Cross Country Team/Northampton Community College**   September 2017 – May 2018

RELEVANT COURSEWORK
Object Oriented Programming	Principles of Information and Data Management	Systems Programming	Introduction to AI
Algorithms	Data Structures	Linear Programming	