Gaoussou Youssouf Kebe

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Education:

University of Maryland, Baltimore County, Baltimore, MD   **Expected: May 2021**
M.S. in Computer Science, GPA: 4.00

- <u>Related Coursework:</u> Nature Language Processing, Artificial Intelligence, Grounded Language Acquistion

Bursa Technical University, Bursa, Turkey   **June 2018**
B.S. in Computer Engineering, GPA: 3.78

- Top student of the BTU Computer Engineering 2018 class

Skills:

Web Programming: PHP, ASP.NET, Flask, NodeJS, AngularJS and ReactJS
Database: MYSQL, MSSQL, PGSQL, MongoDB
Machine Learning: Python, Matlab, R
Languages: French (Native), English (Fluent) Turkish (Intermediary)

Research and Projects:

Rosenet Lab – BTU (http://ceng.btu.edu.tr/rosenet/projects.html)

- Surveyed multiple papers for data collection in partitioned wireless sensor networks and implemented a novel shortest path routing algorithm
- Implemented a new approach to simulating node deployment for smart city applications using geospatial data from OSMNX, a python package
- Performed a comparative study of word embeddings such as Word2Vec, Glove and Fastext applied to the task of movie scenes genre classification
- Designed an android app for opportunistic mobile crowd sensing using data such as wifi and social media activity
- Designed Treasure Hunt, a campus-wide android game deployed as a way to obtain accurate sensors data from multiple devices

Personal Projects

- Designed C.R.I.S (Course Recommendation Intelligent System), a hybrid personality-based recommender system, which, on the basis of academic performance and other more personalized factors, will help students choose their classes at the beginning of the semester
- Co-developed SCOLIE, a student management system to respond to the needs of schools in West Africa. The project is still ongoing, the end goal being to come up with a platform perfectly adapted to the educational system and easily usable for the intended users

Work Experience:

Research Assistant in IRAL Lab, *UMBC, Baltimore, MD*   **January 2020 – Present**

- Combine computer vision and natural language processing to allow robots to communicate in a human-like way

Teaching Assistant in Computer Architecture**,** *UMBC, Baltimore, MD*   **August 2019 – January 2020**

- Interact with students and facilitate their understanding of challenging topics
- Communicate effectively with professors and work consistently within established timelines.

Web Developer, *DRM Bilişim, Bursa, Turkey*   **October 2017 – June 2019**

- Participated in the development of a CRM system to manage customers, staff and financial data
- Implemented a web-socket based chat server
- Designed and developed multiple websites with diverse functionalities

IT Intern, *National Tax Directorate of Mali, Bamako, Mali*   **July 2017 – September 2017**

- Installed and administered MYSQL database and participated in a large-scale migration.
- Designed a user-friendly website for the General Tax Code fitting the needs of employees