

Olivier Ndikumana

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Education

University of Texas at Arlington

B.S. IN COMPUTER SCIENCE - GPA: 3.7

Arlington, TX

Aug. 2017 - Exp. May. 2020

Butler Community College

A.S. IN LIBERAL ARTS - GPA: 4.0

Butler, KS

Jan. 2016 - Jul. 2017

Skills

Operating Systems	OSX, Windows, Linux, Unix
Database Systems	SQL Server, PostgreSQL, MongoDB
Languages	JavaScript, C/C++, Java
Web	Node, Express, React, Angular

Projects

East African Society Website

FULL STACK DEVELOPMENT

Jun. 2018 - PRESENT

Working with a group of four in the development of a student organization web app that connects members through messaging, announcements, events, etc. The web app keeps track of attendance to events, membership payments, and team points. Developed using React, Send-Grid, and the Firebase platform.

Facebook Mockup

FULL STACK DEVELOPMENT

Nov. 2018

Built a RESTful API with nodejs and express, which I deployed on Heroku. The API connects to a PostgreSQL Database on the Google Cloud Platform. At the front, a web app runs using react. The social network itself allows for profiles, pages, posts, comments, likes, and messages.

Monster Tower Defense

GAME DEVELOPMENT

Nov. 2018

Worked with a group of five to create a tower defense game. Used Unity, coded the core components of the game in C, and deployed it on Android. Learned fundamentals of Software Development by creating UMLs, analyzing System Requirements, Testing the code, and presenting the project to a client.

HackUTA

AHUNT

Arlington, TX

Oct. 2018

Built a tool for scavenger hunts. Participants scan QR codes planted by the creator of the hunt in a chosen area. The creator keeps track of each participant's progress. In a group of four, I wrote cloud functions that are hosted on the Google Cloud Platform, and organized data from the app in the Firebase NoSQL Database.

StudyMe

MOBILE DEVELOPMENT

Nov. 2017 - Jan. 2018

Built an android app with authentication, using Java and the Firebase platform, to help students study through customizable learning modes like quizzes, and to have the ability to share those learning modes with other users on the app.

Leadership

Division of Student Success - University of Texas at Arlington

PEER ACADEMIC LEADER

Arlington, TX

Aug. 2018 - PRESENT

Teaching a university student success course for incoming freshman students by making weekly lesson plans and collaborating with a faculty from the engineering department.

IDEAS Center - University of Texas at Arlington

PEER EDUCATOR

Arlington, TX

Jan 2018 - PRESENT

Guiding students in test-taking and note-taking in Math, Physics, and Computer Science core classes by organizing and leading study groups. Additionally assisting students solve calculus questions during lectures and labs as an Embedded Tutor

East African Society

VICE PRESIDENT

Arlington, TX

Jan 2018 - PRESENT

Creating an environment where students grow socially and academically. Done through organizing forums, scheduling reoccurring events, and maintaining the organization's website.