

# Joshua Amaku

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## Professional Summary

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Passionate and driven software developer with a background in program design, analysis, and testing. Manages and contributes to software projects that showcases innovative design and utilize efficient program logic. Successfully collaborates with agile teams to structure, deploy, and test. Technology enthusiast with a focus on blockchain technology and the Internet of Things. Interested in building solutions for future problems.

## Education

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Texas A&M University, College Station, TX  
Bachelor of Science in Computer Engineering/ Minor in Business Management, Mathematics, 2015

## Technical Skills

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**Languages:** C++ (Fluent), C# (Fluent), Java (Comfortable), JQuery (Fluent), Python (Comfortable), Node.js (Beginner), SQL (Fluent), C (Comfortable), HTML (Fluent), CSS (Comfortable)

**Tools:** Visual Studio, Eclipse, Sql Server Management Studio, Git, Salesforce, Xcode, Amazon Web Services, Azure

**Platforms:** Windows, Linux (Ubuntu and Fedora)

## Professional Experience

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Cornerstone Home Lending

*Software Developer*

February 2016-Present

- Received several tasks from corporate leadership which were of varying scope and complexity. Examples of such tasks would be service time optimization and user interface reconstruction
- Maintaining, developing and testing a wide array of business applications (UI, API and Services) with the use of the .NET framework, Javascript, SQL, Java and Obj C
- Utilized Team Foundation Server through Visual Studio.
- Created responsive and clean web designs with the use of HTML, CSS, and Javascript

Audio Video Home Automation

June 2015 – December 2015

*Office Technician*

- Provided support to full time staff during installations in a technical capacity.
- Made deliveries to different job sites, processed freight, kept office space orderly.

TAMU Engineering Innovation Center (EIC)

February 2015-December 2015

*Design Lab Technician*

- Contributed to a 3 tier solution for monitoring the usage of the various parts and components by students. Took charge of database implementation as well as user interface design.
- Gave aid to students who had programming or electrical component issues with senior design projects (microcontrollers, actuators, circuit design and programming).
- Researched and implemented new technologies that would be utilized for the EIC

HCSS

May 2014-January 2015

*Coding Intern*

- Developed & debugged various online web apps using .NET MVC
- Used .NET MVC to access SQL Server with Entity Framework. I have also used Linq for specialized queries. Finally, I have used explicit queries on SQL server from C#.

## **Software Project Highlights**

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### **TruckE (In Progress)**

*TruckE is an affordable alternative to accessing vehicles with large cargo room. TruckE connects people who need to transport items with people who have either a truck or large SUV.*

I'm currently developing a mobile solution for a startup that acts as a broker between people who need to move and people with trucks. Some features of the mobile application will be user accounts, real-time notifications and real-time geolocation tracking. Server side applications are being written in C# and will be hosted through Azure and the mobile app will be developed using the Xamarin platform.

### **Commons Helper - Automating Tasks for the Texas A&M Dorm Commons Front Desk**

Most of the functions at the Commons Front Desk are handled with binders full of paper- employee communications log, equipment checkout for on-campus residents, lost & found, and scheduling. In my sophomore year of college I used my free time to save trees by developing an application that transfers all of the aforementioned functions to a Windows Desktop. The user interface and program logic were written in C++ within the Qt framework, the data was stored on XML files.

### **Original Equipment Manufacturer Portal – Equipment Tracking/Management System for HCSS**

Construction Site Managers who make use of many different brands of construction equipment have the tedious responsibility of keeping track of them. Brands such as Caterpillar, John Deere and Volvo offer their own GPS tracking systems online but there was no option for viewing all of these different brands in the same interface. With the use of the web API's for the various brands, I was able to develop the OEM Portal: a system that allows users to view all of their construction equipment on a single map. The application was built in Visual Studio with C# with .NET MVC and Entity Framework.

### **3D Snake – Senior Design Project**

An added dimension to a classic pastime. Created an 8x8x8 LED matrix with a 3-man team in order to recreate the game of Snake. I was in charge of the construction of the cube (wiring and soldering the LEDs) as well as programming the game logic on an Arduino microcontroller. The game was controlled with a mobile app that connected to the microcontroller via Bluetooth.