

# Kee-Bum Philip Phiri

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## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

Bachelor of Science, Computer Science

Dec 2019

- **Threads:** Networks/ Artificial Intelligence
- **GPA:** 3.89, **Dean's List/Faculty Honors:** Fall 2017, Spring 2018, Fall 2018, Spring 2019

## SKILLS

Languages	Java, JavaScript, Python, C#, C
Libraries/Frameworks	TensorFlow, NumPy, React.js, Node.js
Operating Systems	Windows, Linux/Unix

## WORK EXPERIENCE

### NCR Corporation (Digital Finance and Hardware Company)

Atlanta, GA

Software Engineer Intern

May 2019–Aug 2019

- Effectively collaborated with Woolworths to deliver self-service checkout software on time
- Developed **C#/C++** plugins with **.Net** framework for NCR's DataPump server, which are responsible for monitoring and creating reports for Woolworth's self-service checkout machines
- Developed a **C++** dll for Woolworth's self-service checkout machines that is responsible for aggregating lane information and sending it to the DataPump server

### Georgia Institute of Technology

Atlanta, GA

Research Assistant-Augmented Environments Lab

Aug 2018– Jan 2019

- UI/UX research with DramaTech to design and develop an Augmented Reality platform using **Unity** to enhance a user's theater experience
- Built a 3D/AR application using **C#** with **ARKit** that allows users to interact using facial gestures; Affectiva API is being used for computer vision

Research Assistant-ISYE Department (Data Science)

May 2018–July 2018

- Worked with Atlanta Police Department on redistributing police workload
- Used **Python** libraries, **NumPy** and **Pandas** to analyze the current police workload of 500 beats(regions) in Atlanta based on historical data
- Used QGIS software and **JavaScript** along with its **D3** library to visualize and present zone redistributions and staffing levels

## PROJECTS

### Spotify Music Recommendation App

June 2019–Present

- Used **React.js** for front-end functionality and user authentication
- Implemented KNN recommendation algorithm using **TensorFlow.js**
- Used **Node.js** for real-time data predications/Spotify API calls and **Express** for HTTP routing

### Atlanta Gardens, Farms, and Orchards Database System

Jan 2018–May 2018

[https://github.com/KPPhiri/AGFO-Database\\_System](https://github.com/KPPhiri/AGFO-Database_System)

- Created a database application that stores locations, property usage, and ownership information on gardens, farms, and orchards in the Atlanta area
- Used **Java** with **Java JDBC** for back-end functionality and server/database connectivity

### Hack GSU- Anthem Challenge (1<sup>st</sup> Place Winner, out of 41 teams)

March 2018

<https://github.com/KPPhiri/HackGSU-AnthemApp>

- Developed an Android application that allowed associates to share real time sentiment about their experience working at Anthem
- Implemented the majority of the GUI interface/back-end functionality using **Java** and **Android Studio**

### Android Application- Buzz Shelter

Feb 2018–May 2018

<https://github.com/KPPhiri/BuzzShelter-SocialGood>

- Teamed up with Social Good to build an Android application that allowed homeless people to locate the nearest homeless shelter in accordance to their preferential needs
- Used **Java** alongside **Android Studio** for front-end/back-end functionality
- Integrated **Google Firebase** for real-time database and backend interaction among multiple devices