

Wli H. Akbar

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EDUCATION

City College of the City University of New York

New York, NY

Bachelor of Engineering, Computer Engineering: **GPA: 3.85/4.00**

Expected Dec 2020

Relevant Courses: Algorithms, Data Structures, Software Design Lab, Operating Systems, Intro to Computing, Web Security, Assembly Language, Computer Organization and Architecture

SKILLS

Programming: C++, Java, C# (.NET), Python, SQL, TSQL, JavaScript, HTML, CSS, VHDL, x86 Assembly Language

Operating Systems: Windows, Mac OS X, Linux, Android, iOS

Software/Technologies: Microsoft Office (Word, Excel, PowerPoint and Access), Git/GitHub, MATLAB, Android Studio, Xcode

Soft Skills: Problem-solving, innovative, communication, teamwork, organization

RELEVANT EXPERIENCE

National Football League

New York, NY

Software Engineering Intern

May 2019-Aug 2019

- Developed a desktop application, using C# and the .NET framework, to recognize, extract and convert clips of player injuries from a complete football game in real time and publish the clips on a private NFL website for doctors to review
- Used SQL to analyze data in relational databases and further used TSQL to incorporate football game data in the application
- Integrated multiple DLLs written in C++ to facilitate a more efficient application with more functionality
- Programmed an Xbox 360 remote to work with the application allowing the user a more convenient experience

MTA- New York City Transit

New York, NY

Engineering Support Aide

Sep 2018-May 2019

- Developed multiple graphical user interfaces using C# that allow users to run tests on various embedded systems
- Improved previous codes/softwares to allow programs to run more efficiently, significantly decreasing user's role and allowing programs/interfaces to run partially autonomously
- Tested and debugged codes written in C# and Python to prevent applications from crashing and fixed errors in the code itself
- Implemented protocol analyzer functions in systems testing softwares to allow more control over signals and data traffic over a communication channel

Taste of Lahore

New York, NY

Technology Associate

Sep 2013-Jan 2018

- Developed multiple Python scripts to carry out essential functions of a restaurant such as recording catering orders, managing financial transactions, clocking in/out for workers etc.
- Increased revenue by handling online/digital marketing and advertising issues including online catering orders, advertisements, deliveries etc.

PROJECTS

ShopBuddy: Created an Android application using Java and Android Studio; allowed the user to create a shopping list and saved the lists/changes in the shared preferences of the phone. The app used android notification services to send notifications such as budget warnings and special notes. **(May 2019)**

Circuit Board Testing Terminal: Collaborated with electrical engineers to learn more about different types of circuit boards and their functionalities. Designed a C# graphic user interface that would use EPROM chips and serial port communication to run more than 80 tests on 15 boards. **(December 2018)**

Chained Hash-Table: Implemented the data structure of a chained hashtable in C++; however, the chains converted from link list to binary search trees when the data entries collided exceedingly to promote efficiency. **(July 2018)**

AWARDS & INTERESTS/ACTIVITIES

Extracurriculars: CUNY Tech Prep and NSBE **(August 2019-Present)**

Macaulay Scholar - Four-year merit scholarship to Macaulay Honors College **(September 2016-Present)**

NYC Council Merit Scholarship – Four-year college scholarship **(September 2016-Present)**

Salutatorian- Graduated as salutatorian from William C. Bryant High School **(June 2016)**

Interests: Basketball, Golf, Swimming, Writing, Chess

Causes: St. Jude Children's Research Hospital, Big Brothers Big Sisters and American Red Cross