Talha Siddiqui

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**EDUCATION**

**University of Illinois at Chicago**

***Bachelor of Science in Mathematics and Computer Science*** Expected: December 2019

GPA: 3.40/4.0

## RELEVANT COURSEWORK

Introduction to Computer Science Discrete Structures Introduction to Symbolic Computation

Introduction to C++ Programming Tools and Applied Linear Algebra

Advanced C++ Programming File Management Introduction to Advanced Mathematics

## RELEVANT EXPERIENCE

**Software Engineer Intern (Fanuc America)**                                                                May 2018 – August 2018

* Developed web view applications for Fanuc’s sales team to use to display information about certain CNC machines in a nice and organized manner for Android and IOS using Android Studio and Xcode
* Created side/navigation menus on applications to allow user to navigate to different pages and view different information about the CNC machines
* Adjusted HTML, CSS, and JavaScript of Fanuc’s CNC database website, that uses an ASP .NET framework, to allow it to format correctly when using a mobile device
* Maintained timetable for Android and IOS application and presented apps in bimonthly meetings

**Academic Computing Center (College of DuPage)**

*Lab Technician*  September 2016 – May 2017

* Answered questions and solved problems at the Academic Computing Center help desk
* Assisted users with technical difficulties with student accounts including password resets and network issues
* Fixed and maintained computer equipment

**TECHNICAL SKILLS**

**Programming Experience:** C++; Java; Python; Swift

**Web Development:** HTML5; CSS; JavaScript; Bootstrap, NodeJS,

Express, ASP .NET Razor

**Software:** Visual Studio; Eclipse; Android Studio; Xcode

**Operating Systems:** Windows; macOS

## PROJECTS

* **Slot Machine**

C++ program that uses ASCII characters to display an actual lottery simulation. Program also allows user to add money to their account and place bets accordingly. Displays winning at the end of simulation.

* **Image Manipulator**

Java program that manipulates the pixels of an image according to what the user wants. Transform functions range from shifting an image vertically and horizontally, flipping an image vertically and horizontally, and manipulating the RGBA properties of the image.

* **Color Guessing Game**Web application that uses HTML5, CSS and JavaScript to create a simple RGB guessing game that randomly creates different colored circles and has the user guess what circle represents the randomly generated RGB sequence. Uses DOM manipulation to change the application
* **Keyboard Soundboard**

Web application that uses Paper.js and Howler.js to convert the computer keyboard into a music soundboard. Accompanied by the animations from Paper.js and the sound bites from Howler.js, this program allows users to create music by typing on their keyboard