

# DANIYAL NAEEM

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## EDUCATION

**Hunter College CUNY**, New York, NY

**BA in Computer Science**, Overall GPA: 3.6/4.0

**Dean's List:** Fall 2013, Fall 2014, Spring 2015

**Expected June 2018**

## TECHNICAL SKILLS

**Programming:** C++, Python, Arduino C/C++, HTML, CSS

**Technologies:** Windows 7, 8, 10, OS X, Linux, Git/GitHub, Arduino IDE, Fritzing, TinkerCAD

## RELEVANT COURSEWORK

Software Analysis & Design: I, II, III, Calculus: Analytic Geometry I & II, Discrete Structures, Computer Theory, Computer Architecture: I, II, III, Operating Systems, Microprocessors and Embedded Systems, Networking\*, Android Development\*, Data Networks and Communications\*

## PROJECTS

### Operating System Simulation

- Source code written in python
- Design a program that simulates the functions of an operating system, follow a priority scheduling scheme with preemption for new and existing processes, allocate space in main memory, update frame table using LRU replacement policy, redirect processes to hard disk for I/O operations

### Blackjack Ltd

- A standalone embedded system designed for an Arduino UNO, source code written in python and C++
- Design software that can emulate the popular Blackjack (21) card game, user interface includes an LCD display and input buttons, designed for single player use

## WORK EXPERIENCE

### Kumon

**December 2013 – Present**

**Instructor**, December 2013 – Present

- Supervise early learners in completing assigned Math and English classwork
- Responsible for familiarizing students with the standard Kumon procedure
- Communicate with parents via phone to set up parent teacher conferences

**Grader**, December 2013 – Present

- Responsible for marking and grading completed homework and classwork
- Sit with students and provide them with feedback about their strengths and weaknesses

## VOLUNTEER EXPERIENCE

### Family Health Care Plaza

**June 2015 – August 2015**

**Phlebotomist Assistant**

- Provided assistance to patients in filling out insurance and patient testing forms

**Windsor Terrace Brooklyn Public Library**

**June 2014 – August 2014**

**Library Volunteer**

- Provided technical assistance to patrons and helped setup library accounts

**Languages:** Proficient Urdu; Conversational Spanish

**Interests:** Web Development; electronic music production and composition; self-taught pianist and drummer; pre-med

\* Spring 2018