

## **Sabah Ibrahim**

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### **Education**

Bachelor of Science in Computer Engineering  
University of Illinois at Urbana-Champaign  
Exp. 2022

High School Diploma  
Chicago Math and Science Academy  
Graduated: 2018

### **Experience & Activities**

Built an app named “Virtual Business Card” (2018-Present)

- Designed an app that allows for companies to interact with potential employers/interns
- Enabled a QR mechanism to easily transfer information between users
- Implemented firebase within the app to store data and login credentials for each user
- Learned Swift and Android Studio to write the app in different languages for increased accessibility

Mentor in the “Take Flight” Initiative in Underdeveloped Communities in Chicago (2019-Present)

- Organized funding and volunteering activities to help the underdeveloped areas of Chicago such as Rogers Park.
- Worked with students in the neighborhood by mentoring them
- Gained experience working with different people and helping them solve academic and non-academic problems

National Honors Society President (2017-2018)

- Organized the activities for the National Honors Society at Chicago Math and Science Academy.
- Supervised other departments of the society

Internship at Northwestern University School of Therapy (2017-2018)

- Worked as an intern in the Graduate Physical Therapy Department of Northwestern University
- Developed an understanding of the overlaps in computer engineering and medicine

Elementary Summer School Teacher (2014-2018)

- Taught summer school at a local elementary school
- Simplified difficult concepts when explaining to students of various ages
- Improved communication skills by working with both authority figures and students

### **Skills**

- Beginner level experience with Python
- Autodesk Inventor
- Proficient in Machine Language (LC-3)
- Proficient in Objective C
- Proficient in C++
- Beginner level Experience with Swift
- Beginner level Experience with Android Studio
- Proficient in Wolfram Mathematica

### **Relevant Courses**

CS225: Data Structures, ECE110: Introduction to Electronics, ECE120: Introduction to Computing,  
ECE220: Computer Systems and Programming, CS173: Discrete Structures

### **Honors & Awards**

- AP Scholar with Distinction
- Ronald Reagan Leadership Award
- International Genius Olympiad Winner
- Quest Bridge Scholar and Finalist