

# Osama Esmail

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## Education

University of Illinois at Urbana-Champaign

Expected Graduation 05/2020

GPA: 3.96

- BS in Computer Science

- BS in Mathematics

Niles West High School

05/2017

- 4.2/4.0 GPA

## Current Coursework

Discrete Structures

Data Structures

Applied Linear Algebra

Fundamental Mathematics (Honors)

## Experience

10/2017 - 12/2017

### Android Front-End Developer, ForNoJo LLC

- Develop and debug the Android front-end of a mobile application

9/2017 - 12/2017

### Tutor, America Reads

- Help kids in the local Urbana-Champaign schools with their math and reading comprehension.

Summer 2014, 2015, 2017

### Teacher's Aide, Sizzling STEM Summer Camp

- Assisted teachers during classes
- Helped kids work on projects in robotics, computer science, and various other STEM fields.

## Skills

- Programming Languages (from most experience to least experience):
  - Java, Python, C++, C#, JavaScript, HTML
- Languages:
  - English (native), Spanish (conversational), Urdu (comprehend), Hindi (comprehend), Memoni (comprehend)
- Leadership Roles:
  - Captain of high school Math Team, Science Olympiad Team (science competition) and Quiz Bowl (trivia)

## Projects

- Schedule Optimizer
  - Worked with 4 group members to develop a website for creating conflict-free schedules at our university.
- Narc
  - Worked with 4 teammates during a hackathon to make an app for sending pictures and locations of handicap parking spot infractions to local law enforcement.
- CS:GOtcha
  - Developed fully functional first-person shooter over Spring 2017 with a friend using Unity3D and various C# & JavaScript scripts.
- Wall Street Hustle
  - Developed idle game over Summer 2015 using Java.
  - Ported to Android using Android Studio in Fall 2017 as an introduction to mobile development.

## Awards

2017 - 1<sup>st</sup> in World Youth in Science and Engineering (WYSE) Physics (regional level)

- Team qualified for sectionals

2017 - 2<sup>nd</sup> among seniors at Math Team (regional level)

- Also qualified for state on school's 8 person team

2016 - Best in Category at state science fair

2016 - 1<sup>st</sup> on American Mathematics Competition (AMC) 12 (schoolwide)