

# Danish Naseem

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## Education:

The University of Iowa, Iowa City, IA  
*Bachelor's in Computer Science*    Minor: Music  
College of Dupage, Glen Ellyn, IL  
*Associates in Engineering Science with Honors*

Anticipated December 2020

December 15<sup>th</sup>, 2017

## Relevant Coursework:

Data Structures & Algorithms, Object-Oriented Programming, Computer Security, Computer Organization, Discrete Structures

## Professional Experience:

### **Computer Programmer**

February 2020 – Present

*Iowa Reading Research Center, Iowa City, IA*

- Worked on their website and its respective databases using Moodle API, Php, JavaScript (jQuery and JSON), MySQL, Microsoft Access, all the while collaborating using Git and GitLab.
- Provided technical support to their clients.

### **Broadcast Software intern**

June 2018 – August 2018

*FCB Chicago, Chicago, IL*

- Developed GUI productivity bot with Python and bash to automate post-production ffmpeg encoding tasks and manage time.
- Received positive feedback for excelling at new tasks, such as software development for the post-production department.

### **Video Technician**

November 2018 – January 2020

*Big Ten Network, Iowa City, IA*

- Assisted in monitoring and updating official game stats, in-game replays, graphics, cameras; during college sports' live productions including basketball, baseball, softball, wrestling, swimming, gymnastics.
- Assisted in pre-game checks as well as post-game wrap ups.

## Projects:

**Today's Songs:** This CLI executable program provides the user with top songs of the day, by using Nokogiri Ruby gem to scrape HTML data from two different sites.

**Wave Worm:** Wave Worm is a single player 2D Java game. The user tackles the various worms using keyboard keys, and makes his/her way across levels, while maintaining a top score.

**ffmpeg Video and Audio Encoder for FCB Chicago:** Python 2.7 built, executes ffmpeg bash code through pipeline, user-interactive interface, end-result; reducing video/audio file-size while maintaining quality.

**CLI Tic Tac Toe:** This is a CLI version of Tic Tac Toe, providing the user with single player, double player, and even zero player (meaning the player gets to watch computer vs computer) experience.

**MiniMa:** (mini) MIPS Assembler written in Java. 2-person project. Translates MAL instructions to TAL, and TAL to binary; Resolves the addresses of branch and jump labels; and lastly builds an assembler.

## Technical Expertise:

Java	<div><div></div></div>
Python (2 & 3)	<div><div></div></div>
Ruby	<div><div></div></div>
HTML/HTML5	<div><div></div></div>
CSS	<div><div></div></div>

JavaScript	<div><div></div></div>
Php	<div><div></div></div>
SQL	<div><div></div></div>
Git	<div><div></div></div>
Bash	<div><div></div></div>

## Speaking Proficiencies:

Native in English and Urdu