

# Miles Shamo

*Expected Bachelors of Science in Computer Science in 2023*

Naperville, IL

630-465-8997

[milesshamo@gmail.com](mailto:milesshamo@gmail.com)

## Education

<b>University of Illinois at Chicago, Chicago, IL.</b> Bachelor of Science in Computer Science Junior standing NSF S-STEM Scholar	4.0 grade point average Honors College Student Member of Tau Beta Phi Member of the A.C.M.	Aug. 2019 to May 2023 (Predicted)
<b>North Central College, Naperville, IL.</b> Studied C.S. alongside high school course load	4.0 grade point average Lederman Scholar	May 2016 to May 2018
<b>Naperville Central High School, Naperville, IL.</b> National Honors Society member	4.452 grade point average Science Olympiad Captain	Aug. 2015 to May 2019

## Skills

Computer maintenance and repair  
Wireless networking analysis  
CAD software  
Proficient in regular expressions  
Proficient with VIM, GNUmake, Valgrind, and GDB

### Programming Languages

Currently studying C & C++ and Java  
Proficient in Python & [L<sup>A</sup>T<sub>E</sub>X](#)  
Familiar with JavaScript & C#  
Exploring AHK and Rockstar

## Experience

<b>CS 251 (Data Structures) Teaching Assistant, University of Illinois at Chicago</b> Engages with students during self-run office hours Aids in running lab sections and proctoring oral examinations Provides iterative feedback on project design and requirements	Aug. 2020 to Present
<b>Intern, University of Illinois at Chicago MakerSpace</b> Independently designed and manufactured a self chosen project using MakerSpace facilities Designed and manufactured sneeze guards for use in UIC offices	July 2020 to Aug. 2020
<b>Network Operations Intern, Naperville Community Unit School District 203</b> Led a small team to conduct a suite of wireless surveys across the district Condensed findings into building level reports highlighting problems and providing solutions Developed a Java application to analyze active survey data	June 2019 to Aug. 2019
<b>Golf Caddie, Naperville Country Club</b> Carries patrons clubs for duration of the golf round Engages directly with golfers to ensure an enjoyable and timely round	Apr. 2018 to Present

## Projects

### Current Projects

Writing a fully automated Twitch-specific IRC bot, [BariBot](#), in C++ from the socket level  
Assembling and experimenting with the Open Theremin V3 Arduino Shield  
Creating generative art through Java applications via the Processing3 library

### Prior Projects

Explored the arithmetic of elliptical curves through python-enabled computation, personally focused on creating classes representing points and the related abelian operations over various fields  
Implemented a Spotify “helper,” managing volume, seek/skip, and liking/disliking songs through keyboard shortcuts via AutoHotKey

## Additional Activities

Volunteer for AquaHouse & Naperville Public Library  
Amateur pianist

Amateur poet looking to eventually publish  
Searching for the perfect macaroni and cheese recipe