

# Miles Shamo

*Expected Bachelors of Science in Computer Science in 2023*

Naperville, IL

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## Education

### University of Illinois at Chicago, Chicago, IL

Bachelor of Science in Computer Science

Junior standing

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)

### North Central College, Naperville, IL

Studied Computer Science alongside high school course load

4.0 grade point average

Lederman Scholar

May 2016

to

May 2018

### Naperville Central High School, IL

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++

Experienced in Java

Proficient in Python & [L<sup>A</sup>T<sub>E</sub>X](#)

Familiar with JavaScript & C#

Exploring AHK and Rockstar

## Experience

### G.P.I.P. Intern, University of Illinois at Chicago MakerSpace

Planned, designed, and constructed a physical project using MakerSpace facilities

Designed sneeze guards for use in UIC offices

Experimented with various additive and subtractive manufacturing techniques

July 2020

to

Aug. 2020

### Network Operations Intern, Naperville Community Unit School District 203

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

Worked closely with both hardware and software infrastructure

June 2019

to

Aug. 2019

### Golf Caddie, Naperville Country Club

Carries patrons clubs for duration of the golf round

Promotes fast and enjoyable play

Apr. 2018

to

Present

## Projects

### Prior Projects

Explored the arithmetic of elliptical curves through python-enabled computation

Analyzed high sample rate (~1000 Hz.) waveform data using the OpenCSV Java library

Implemented a Spotify “helper.” Managed volume, seek/skip, and liking/disliking songs through keyboard shortcuts via AutoHotKey

Prototyped “Left Click to Everything,” in Unity

### Current Projects

Writing a fully automated Twitch-specific IRC bot in C++

Assembling and experimenting with the Open Theremin V3 Arduino Shield

Creating generative art through Java applications via the Processing3 library

## Additional Activities

Regular volunteer for AquaHouse Tutoring.

Regular volunteer for the Naperville Public Library

Amateur pianist

Amateur poet looking to eventually publish

Searching for the perfect macaroni and cheese recipe