# Miles Shamo
*Expected Bachelors of Science in Computer Science in 2023*

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## Education

**University of Illinois at Chicago, Chicago, Il.**
- 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
(Anticipated)

## Relevant Coursework

- Data Structures (CS 251)
- Machine Organization (CS 261)
- Languages and Automata (CS 301)
- Software Design (CS 342)
- Computer Algorithms (CS 401)

- Applied Statistics (STAT 381)
- Differential Equations (MATH 220)
- Linear Algebra (MATH 320)

## 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 & $\LaTeX$
- Familiar with JavaScript & C#
- Exploring AHK and Rockstar

## Experience

**CS 251 (Data Structures) Teaching Assistant, University of Illinois at Chicago**
- 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

**Intern, University of Illinois at Chicago MakerSpace**
- 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

**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

June 2019
to
Aug. 2019

**Golf Caddie, Naperville Country Club**
- 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