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
- 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)

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