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 network analysis
Proficient in regular expressions
Proficient with Catch2
Proficient with VIM, GNUMake, Valgrind, and GDB

Programming Languages
2.5 years Java experience
Proficient in and currently studying C and C++
Familiar with Python, LaTeX, JavaScript, and C#
Currently learning AHK and Rockstar

Experience

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 provided solutions
Presented findings to district leadership
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
Ensures clubs are clean and properly stored at conclusion of round
Rakes bunkers, fills divots and other basic maintenance
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," a game written for the Unity Engine in C#

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