

Miles Shamo

Expected Bachelors of Science in Computer Science in 2023

Naperville, IL

630-465-8997

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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, [BfX](#), 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

Created a web-based text adventure documenting Julius Caesar's life through the Twine engine

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

Exploring the arithmetic of elliptical curves through python-enabled computation

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