

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

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)

North Central College, Naperville, IL.

Studied C.S. 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^AT_EX](#)

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

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

Planned, designed, and constructed a physical 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

Promotes fast and enjoyable play

Apr. 2018

to

Present

Projects

Current Projects

Writing a fully automated Twitch-specific IRC bot, [BariBot](#), in C++

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

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

Additional Activities

Volunteer for AquaHouse & Naperville Public Library

Amateur pianist

Amateur poet looking to eventually publish

Searching for the perfect macaroni and cheese recipe