Miles Shamo

Expected Bachelors of Science in Computer Science in 2023

Naperville, IL
630-465-8997
milesshamo@gmail.com

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 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 & LaTeX
Familiar with JavaScript & C#
Exploring AHK and Rockstar

Experience

CS 251 (Data Structures) Teaching Assistant, University of Illinois at Chicago
Engaged with students via self-run office hours targeting projects and course material
Provided 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

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

Current Projects
Writing a fully automated Twitch-specific IRC bot, Bari-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

Volunteer for AquaHouse & Naperville Public Library
Amateur pianist

Amateur poet looking to eventually publish
Searching for the perfect macaroni and cheese recipe