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

Senior standing

4.0 grade point average

Honors College Student

Member of the A.C.M.

Aug. 2019
to
May 2023
(Anticipated)

Relevant Coursework

Data Structures (CS 251)

Machine Organization (CS 261)

Languages and Automata (CS 301)

Software Design (CS 342)

Computer Algorithms (CS 401)

Applied Statistics (STAT 381)

Differential Equations (MATH 220)

Linear Algebra (MATH 320)

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

Telephone Studies Intern, CACI

What am I allowed to put here?

better double check

just to be sure; for now this is here for formatting

May. 2021
to
Aug. 2021

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
May 2021

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 poet looking to eventually publish

Amateur pianist

Searching for the perfect macaroni and cheese recipe