

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)

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 & [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

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 pianist

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