Anya Ellis
Aspiring Computer Scientist & HSF Scholar

I am a computer science major at the University of Illinois at Chicago. I have an interest in machine learning and data analysis.

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———————————————————— Skills ————————————————————

- Python, C\C++, MATLAB, Java, Javascript, jQuery, CSS, HTML, SQL
- Git Bash
- Windows, Linux

- English (native proficiency), Spanish (working proficiency)
- Fast learner
- Communication skills

———————————————————— Education ————————————————————

University of Illinois at Chicago, Chicago, IL
Bachelor of Science, GPA: 3.43 | Class of 2022
Major in Computer Science, Minor in Mathematics
Hack Reactor
Structured Study Program | March 2018
Relevant/ Computer Coursework
Computer Design • Software Design • Systems Programming • Languages and Automata • Machine Organization • Data Structures • Programming Practicum • Foundations of Computing • Introduction in Automated Testing with JavaScript • Front-End Development: Practical HTML, CSS, jQuery

———————————————————— Projects & Presentations ————————————————————

Heart Rate Detection Using A Piezoelectric Sensor: Data Analysis | MATLAB
1st Place in Computer Science Oral Presentations at Illinois LSAMP 2020 | Feb 2020
- Presented on the prospective usability of piezoelectric sensors for heart detection.

Jumble Words (Anagram Scrambler) | C++
CS 251: Data Structures | April 2019
- Uses hash-tables / hash-maps to find all anagrams of words in a given dictionary.

PyBásico | Python, JavaScript, HTML, CSS
Web Editor & Business Owner | Aug 2017 –Aug 2018
- Created website to teach Python in the Spanish language
- Developed Spanish language computer coding lesson plan

———————————————————— Experience ————————————————————

Northrop Grumman | Upcoming Intern
May-Aug 2020 | Annapolis, Maryland
- Working with Northop Grumman's Mission System team, during the COVID-19 pandemic.

University of Illinois at Chicago | Tutor at MERRP
Jan 2020 - Present | Chicago, Illinois
- Assist students with computer science coursework; commonly aid CS151 and CS111 assignments.

University of Illinois at Chicago | Teaching Assistant
Jan-Dec 2019 | Chicago, Illinois
- Instructed lab periods, held office hours for students, and facilitated communication

Norfolk State University & National Science Foundation | Research Intern
Jun-Jul 2019 | Norfolk, Virginia
- Researched "Wearable Sensors for Monitoring Chronic Heart Diseases"
- Designed a program in MATLAB, that filters out unwanted frequencies from ECG device

———————————————————— Activities & Interests ————————————————————

National Society of Black Engineers • Linux Users Group • Tennis • Chess Club Tournament Director