

CASSANDRA CHAPUT

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TECHNICAL SKILLS

Languages: Java, Python, C, C#, JavaScript, HTML, CSS,
Operating Systems: Microsoft Windows, Mac OS, Linux

EXPERIENCE

VAE - Intern Developer

Summer 2022

- Worked as a team with other software developers on projects.
- Implemented a “network faker” to change IP address for incoming connections on the network.
- Utilized knowledge of C and C# to modify incoming connections to the server.

PROJECTS

Connect-4 Bot

Fall 2021

- Constructed a Connect-4 Game using AI in Python3
- Utilized a Minimax decision tree and a Monte Carlo tree search
- Demonstrated the efficiency of the Minimax algorithm when compared to the Monte Carlo tree search in terms of performance, time complexity, and depth
- Utilizes alpha-beta pruning to reduce the number of nodes evaluated in the Minimax algorithm
- Minimax implementation achieves win state 97% of the time against human opponents
- Demonstrates proficiency in python and the maintainability of code through the implementation

INFO-I 101 Midterm Project

Spring 2019

- Demonstrated proficiency in HTML and CSS through the use of multiple files
- Implemented a structured website with multiple pages to showcase skills, achievements, and resume
- Showcased skills in each step from designing to implementing the website
- Demonstrated strong time management skills by completing the project in a timely manner prior to the final submission

EDUCATION

Indiana University, Bloomington, IN
Bachelor of Science in Computer Science
Specialization: Systems
Minor: Informatics

Expected Graduation: August 2023

Sherwood High School, Sandy Spring, MD
High School Diploma
Cumulative GPA: 3.38/4.00
Graduated in 3 years

Graduated: May 2018

OTHER WORK EXPERIENCE

Creative Learning Center - Substitute teacher 2015-2018 School years

- Accommodated and provided appropriate help to the lead teacher in the classroom
- Assisted in the education of children ages two to four years old
- Oversaw and managed children in the classroom during shift changes
- Accommodated teachers by stepping into the classroom to oversee children

Child development - Student Teacher August 2017-May 2018

- Lead a preschool classroom as a Lead teacher
- Created planning lessons for ages three to five years old
- Engaged and developed academic skills for children ages three to five years old

Competitive cheerleading - Coach May 2017-December 2018

- Taught elementary age girls and boys to do basic tumbling skills and stunting
- Promoted teamwork, dedication, and good work ethic
- Demonstrated strong time management skills by effectively balancing academics and athletics obligations