SAMARTH SARIN

Employment

Zione Solutions
Farmington, MI
May 2018 to Aug. 2018

Software Engineer Intern

- Created a ticketing service using Flask web framework
- Incorporated Python, SQL, and HTML/CSS to integrate the full-stack service
- Developed authentication/authorization methods to ensure standard security practices
- Internally released project to be used by consultants at Zione Solutions

Michigan Medicine Urology
Ann Arbor, MI
June 2017 to May 2018

Office Assistant

- Organized 700+ patient records by date of service, type of document, and facility, for the use of doctors to compare and analyze new reports with the old, allowing for a more effective treatment plan for patients
- Scanned physical patient record reports consisting of office visits to lab results in the University Health system electronic medical record system, resulting in a more efficient access to these documents

Projects

Piazza Post Classifier - C++ project
Nov. 2017 to Dec. 2017

- Implemented a program which uses machine learning through the use of a binary tree which is ultimately able to read in piazza posts and run an algorithm to calculate and determine what the category of the post is

Euchre - C++ Project
Oct. 2017 to Nov. 2017

- Designed a program that plays the card game Euchre
- know scenarios where which card would be dealt in an ideal situation using a human and computer input

Web Schedule Builder - HTML
March 2017 to April 2017

- Worked with a team to create an HTML page that helps users to determine how they want to schedule their classes based on date, time, professor, and location, while incorporating the functionality of Google Maps for class location

Volunteering

Michigan Health Aid ·
Happy and Healthy Kids Volunteer
Ann Arbor, MI
Sept. 2016 to April 2017

- Provided health related knowledge to groups of 10 underprivileged children in first and second grade, allowing them to increase their autonomy for health related decisions in their daily lives and experience a normal and friendly environment
- Assisted in activity development to help develop creative games that children would enjoy, helping them take more from the lesson than a standard lecture

Contact

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- samsarin23
- samarth-sarin

Education

University of Michigan - Ann Arbor

B.S. Computer Science 2020

Minor Chemistry 2020

Relevant Coursework
Programming and Data Structures (EECS 280), Discrete Mathematics (EECS 203), Data Structures and Algorithms (EECS 281)

Skills

PROGRAMMING LANGUAGES
C++
Python
Visual Basic

PROGRAMMING SKILLS
Full Stack Development
HTML/CSS
Jinja
Web Development

DATABASES
SQL

FRAMEWORKS
Flask

LANGUAGES
Fluent in Hindi
Conversational in Spanish

INTERESTS
Avid guitarist, performed for a 300+ size audience
Dancer - Michigan Bhangra Team