

Irfaan Jamarussadiq

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EDUCATION

University of Maryland, College Park

Expected May 2022

B.S. in Computer Science, Machine Learning Specialization, Minor in Statistics

GPA: 3.2

Relevant Courses: Object Oriented Programming I & II, Computer Systems, Discrete Mathematics, Organization of Programming Languages, Algorithms, Applied Probability and Statistics I & II, Linear Algebra, Calculus I, II, and III, Differential Equations

SKILLS

Programming Languages: Java, Python, Javascript, C, Ruby, Rust, OCaml, Dart, SQL

Software: Git, GitHub, Flutter, UNIX, React JS, VS Code, Ubuntu, Linux, Windows, Powershell

PROJECTS

Coronavirus Machine Learning Project

- Written in Python for a personal project using sk-learn machine learning libraries
- Developed a model for predicting the number of coronavirus cases and deaths based on New York Times' data.

Chess

- Written in Java for a personal project
- Incorporated object-oriented principles like inheritance and abstraction for chess pieces
- Structured classes using Model-View-Controller paradigm to separate board logic, move validation, and user interface

Maze Algorithms

- Written in Java for Object Oriented Programming II course
- Implemented a graph data structure to represent the maze
- Programmed a breadth-first search, depth-first search, and Dijkstra's algorithms to find the optimal path from start to finish in the maze

WORK EXPERIENCE

Mafiq Foundation, Silver Spring, MD

July 2020

Instructor

- Taught 15 – 20 high school and middle school students over a course of three days
- Taught fundamental computer science concepts, including bitwise operations, number systems, and data structures

Islamic Center of Maryland, Gaithersburg, MD

July 2019

Software Intern

- Collaborated with a team of ten students to develop a K-12 school web application
- Configured Maven, Tomcat server, and Spring MVC framework in Eclipse JEE
- Learned about the agile development process in large software development projects
- Learned how backend, frontend, and databases communicate in a real application