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| **Domenic SanGiovanni** | | |
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| domsangio@gmail.com 978-846-3362 | | |
| **EDUCATION** | **UNIVERSITY OF MARYLAND** | **College Park, MD** |
|  | **College of Computer, Mathematical, and Natural Sciences** | |
|  | Bachelor of Science in Computer Science, Spring 2022  Bachelor of Science in Mathematics, Spring 2022   * GPA: 3.94/4.00 * Major GPA: 4.00/4.00 * Dean’s List, Fall 2018 and Spring 2019 * Computer Science Honors | |
|  | **WESTFORD ACADEMY**  Highschool Diploma, June 2018  Cumulative GPA: 4.01/4.00  ACT: 34 | **Westford, MA** |
|  | * Varsity Soccer * National Honor Society * Math Team | |
| **SELECTED COURSES** | **UNIVERSITY OF MARYLAND**   * CMSC 216 Honors Introduction to Computer Systems * CMSC 351 Algorithms * MATH 401 Applications of Linear Algebra * MATH 410 Advanced Calculus I * STAT 410 Probability Theory | |
| **EXPERIENCE** | **CAPITAL ONE** | **College Park, MD** |
|  | **Internship, June 2019 – February 2020** |  |
|  | * Full-stack development of a new Application monitoring tool built using Golang and React as part of a large team * Worked on REST APIs creating and maintaining existing endpoints * Implemented backend using Golang and PostgreSQL to store information in a database and incorporate API streams | |
| **PROJECTS** |  | |
|  | **Dijkstra’s and A\* Pathfinding**   * Found the shortest path between nodes in a graph data structure and added in a heuristic for dynamic A\* pathfinding in a tower-defense game | |
| **Simple Programming Language**   * Created a compiler and interpreter for a new programming language, written in OCaml, that successfully executes a program with loops, variables, and functions | |
| **Calendar App**   * Designed a simple calendar app with Android Studio for the android OS * Included small events and reminders on a per week basis | |
| **VOLUNTEER** | **SAINT CATHERINES** | **Presque Isle, ME** |
| **Mission Trip, 2017 & 2018**   * Traveled every year to Northern Maine to assist and support low-income and elderly residents * Accomplished large projects such as creating two new handicapped ramps, renovating an old soup kitchen, and repairing a roof | |
| **SKILLS** | Java, C, OCaml, Javascript (ReactJS), Git | |
| **ADDITIONAL** | * Participated in college math competitions including VTRMC and Putnam * Built a high-end personal computer from scratch | |