

Matthew Tobino

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Education

Bachelor of Science, Computer Science
Rowan University, College of Science and Mathematics
Cumulative GPA: 3.9

May 2024
Glassboro, NJ

Skills

Languages: Java, Python, JavaScript, C/C++, MATLAB, Arduino, Bash, HTML, YAML, JSON, XML
Databases: SQLite
Development Tools: IntelliJ IDEA, VSCode, Eclipse, BluJay, Git/GitHub
Operating Systems: Windows, Linux

Project Experience

[Personal Website](#) (for additional information and projects)

Sudoku Solver | Java | [Project Webpage](#)

- Analyzed a formatted sudoku file, converted the board into a SAT problem, solved the SAT problem, converted it into the solution for the sudoku board, and printed the result.
- Utilized the open-source API Sat4j to solve the SAT problem.
- Solved boards of various sizes such as the classic 9x9, 4x4, and 16x16.
- Completed a 25x25 board in 1161 milliseconds.

Call Center Simulation | Python | [Project Webpage](#)

- Evaluated user input through a GUI, ran a simulated call center, and printed relevant statistical data, including Poisson distribution chart of the service time for the calls, and a table of the customers with their individual data.
- Gathered relevant data from a CSV file and used the information to perform calculations.
- Concluded that three employees and eight hours of simulation provided the most optimal results.

NBA Stats | JavaScript | [GitHub Page](#)

- Enter NBA player name and season to get the stats of that player from that season.
 - Utilized the open-source API NBAStats to capture and analyze comprehensive player statistics.
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Work Experience

Computer Science Department Tutor
Rowan University, Glassboro, NJ

October 2022–Present

- Guiding students through their studies in Computer Science, with a focus on Programming.
- Advising students in better ways to implement/design their methods/functions.
- Providing tutoring in: (Not Limited To)
 - Intro to Scientific Programming
 - Intro to Object-Oriented Programming
 - Object Oriented Programming and Data Abstraction

Sales Associate
Flynn O'Hara Uniforms, Holmdel, NJ

Jun 2019 - Aug 2023

- Developed strong leadership skills through experience as a sales associate, effectively communicating with team members and customers to provide exceptional service and support.
 - Helped acclimate new hires to their work environment.
 - Handled customer transactions and orders at the cash register.
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Awards

- Upsilon Pi Epsilon–International Honor Society for the Computing and Information Disciplines
- Presidential Scholars of Excellence (2022 – 2023)
- Dean's List (2020 – 2022)
- Rowan Merit Scholarship