

Rishi Challa

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Objective:

To help further develop the community as well as myself through technology, specifically cybersecurity.

Education / Certification:

▮ **Bachelor of Science in, College of Liberal Arts and Science, University of Florida, Gainesville, FL (August 2017 - Pending)**

- GPA : 3.15
- Dean's List (2018/2019 Spring semester)
- Course Work: Data Structures and Algorithms, Computer Organization, Programming Fundamentals 1 and 2, and Computational Linear Algebra, Software Engineering, Operating Systems, Data Science in BioInformatics, and Databases and Systems

▮ **High School... (Atlantic Community High School)**

- President's Award for Educational Excellence
- National AP Scholar
- IB Diploma

▮ **Certification:**

- Currently Studying for compTIA Security+ CE certification
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Programming Language:

Java: Created a Pacman AI game where Pacman had to make decisions based on where the ghosts are and where the food pellets are. Had to implement a prioritizing algorithm to achieve a consistent high score.

C++: Created a Minesweeper game using the C++ SFML library to add sprites and a GUI to the game.

HTML/CSS: In tandem with Javascript, I helped create a website for a client (formerly known as Scootndoodle). Primarily worked on Paypal/Stripe integration as well as commit merging and page design. For CSS, mainly used bootstrap.

JavaScript: Node.js and Express was used in the creation of the project mentioned above.

Python: Created a program that creates m number DNA sequences of n length with probability parameters of each nucleotide, as well as a mutation probability. The program then splits up each sequence into fragments of size between parameters x and y. Finally uses a Free End Space Alignment algorithm to compare each fragment to another, using a map to store the direction and value of each match/mismatch, to create a final sequence.

LEGV8 Assembly

MERN Stack

Special Interest:

UF Special Olympics

August 2017 - Present

Secretary: I manage the social media and find sponsors for events.

Learned how to communicate and work efficiently with others to create a safe and enjoyable environment for the athletes.

UF SIT

August 2017 - Present

Hacking club that sharpens my decision making and problem solving.

Competed in CTF event where the goal is to exploit a service to receive a file in a race against other competing hackers.

Programming Portfolio available upon request