

William Reames

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1000 University Place #1553, Newport News, Virginia 23606

Education

Christopher Newport University, Newport News, VA

May 2023

Bachelor of Science in Computer Science, Cybersecurity; Minor in Mathematics - 3.97 GPA

Relevant Coursework

Data and File Structures - Heaps, Trees, Maps, Graphs, Big-O and Algorithm Analysis

Intro to Software Engineering - Software Development Life Cycles, Testing Practices, Design Patterns

Database Management Systems - Database Development and Administration, MySQL

Computer & System Security - Access Control, Password Security, Vulnerabilities, Secure Coding, Auditing

Introduction to Data Science - Data Collection, Processing, Analysis, and Visualization

Forest Park High School, Woodbridge, VA

May 2019

Advanced Studies Diploma - 4.432 weighted GPA - class rank 15 out of 505

Technology Skills

- **Programming Languages:** Python, Java, C#, C++, SQL, Bash, PHP
- **IDEs/Systems:** Git, Microsoft Visual Studio Code, PyCharm, Eclipse, MySQL, Docker
- **Operating Systems:** MacOS, Linux, Windows

Relevant Work Experience

IBM Software Developer Intern, IBM Research Triangle Park

May 2022 - Aug 2022

- Contributed to implementation of WSHE OnePipeline by fixing issues and expanding Bash scripts
- Worked as a member of the DevSecOps squad in an entirely remote environment
- Collaborated with team members to effectively complete projects and assignments

NASA Research Intern, NASA Langley Research Center

Mar 2022 - May 2022

- Worked with NASA Researchers to develop a system used for ensuring safe UAS travel
- Computed RF levels along a 4D flightpath by referencing a database of contours using Python
- Met with team members on a regular basis in a hybrid in-person/virtual environment

OURCA Summer Scholars Research, Christopher Newport University

Jun 2021 - Oct 2021

- Part of a selective program in which 60 students conducted full-time research on campus for 8 weeks
- Researched the development of multi-agent systems with a co-researcher and faculty mentor
- Developed a simplified solution to the Multi-Agent Programming Contest (<https://multiagentcontest.org/>)
- Learned new programming languages and used the Jason and GOAL agent frameworks

Threat Intelligence Services Engineer Intern, ThreatQuotient

May 2020 - Apr 2021

- Worked with a team of 15 people to develop and release programs and APIs for end-users
- Updated, enhanced, and fixed bugs for programs developed by the company in Python
- Maintained solid communication with team while working in a completely remote environment

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Extracurricular Activities

- CNU Programming Competition Team**, *Christopher Newport University* Oct 2021 - Present
- Competed in regional programming contests on a team with two other students
 - Won first place out of 17 teams at the CCSC:EA Programming Competition
- PCSE Peer Mentor**, *Christopher Newport University* Aug 2021 - Dec 2021
- Helped students in academic department acclimate to college and find relevant resources
 - Maintained regular communication with mentee and met on a bi-weekly basis
- Cyber Security Club**, *Christopher Newport University* Sept 2019 - Apr 2021
- Reviewed current cybersecurity issues with other students interested in cybersecurity
 - Engaged with the community by attending ICS2 meetings
 - Participated in various “capture the flag” events
- Marching Band**, *Christopher Newport University* Aug 2019 - Dec 2019
- Rehearsed, coordinated, and performed with over 250 band members for 12 hours per week
 - Received input for daily improvement of musical and marching technique

Personal Projects

- Making Melodious Music From Fractals** May 2021
- Developed a program in Python that can convert a fractal shape into a musical melody
 - Implemented the program after conducting research during an honors seminar at CNU
 - GitHub repository link: https://github.com/wdreames/fractals_to_music
- Google FooBar Challenge** Jan 2020 - Mar 2020
- Completed programming challenges issued by Google across a variety of difficulty levels
 - Collaborated with friends/classmates to develop efficient solutions to each problem as a team
- Automated Class Selector** Nov 2019
- Created a Python script that could automatically register someone for an inputted list of classes
 - Automated the registration process through the use of the Selenium Python package
 - GitHub repository link: https://github.com/wdreames/class_scheduler

Honors and Awards

- **Dean's List**, Christopher Newport University Aug 2019 - Present
- **Honors Student**, Christopher Newport University Aug 2019 - Present
- **Member of Alpha Chi National Collegiate Honor Society** Oct 2021 - Present
- **Medal for IT Honors**, Forest Park High School May 2019
- **Bruin Leadership Award**, Forest Park High School May 2019