Shawn Bryant

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Education:
Old Dominion University, Norfolk VA   *Expected: Spring/Summer 2025*
Master of Science, Computer Science, GPA: 4.0
Special Recognition and Honors: VICEROY Electronic and Sensors Badge

Old Dominion University   Aug 2022-May 2024
Bachelor of Science, Computer Science, GPA: 3.82
Special Recognition and Honors: Perry Honors College, ODU LeADERS Candidate, Linked BS/MS Program in Computer Science, Dean's List (4x)

Notable Projects:
- Implemented algorithms for Gaussian Elimination, LU Decomposition, and Jacobi's Method
- Modeled Simulations of a large-scale disease spread, a production factory profit optimization, Epstein's Calculus of Conventional Warfare, and an ancient game called Pente Grammai
- Applied the Needleman Wunsch algorithm for optimal alignment of DNA sequences
- Developed Data Analysis Software for Offline Websites
- Developed an app called GymBod Fitness that uses an injury and equipment aware algorithm to create a personalize workout plan for individuals considering their physical condition

Skills:

● C++/C#	● Java	● Unix and GitHub
● Python	● HTML/CSS	● Javascript/React
● SQL and SurrealDB	● .Net	● Machine Language Models
● Agile Team Development	● Test Driven Development	● Team Leadership
● Data Structures	● Algorithms	● Pandas and Pytorch
● Data Training	● Anaconda	

Related Experience:
Old Dominion University College of Sciences: Norfolk, VA   Jan 2024-May 2024
Undergraduate Research Assistant
- Undergraduate research in Bioinformatics: Investigating existing tools and developing new code to pre-process health-related data for machine learning purposes
- Developing code to extract selected information from Fitbit data and extract data from continuous glucose monitors using Python to support AI based tasks
- Integration of Fitbit data with other data types

Old Dominion University College of Sciences: Norfolk, VA   Jun 2024-Present
VICEROY Cybersecurity Research Internship (Department of Defense Funded)
- Research in the field of Cybersecurity with a focus on adversarial patches and object detection
- Utilization of AI and Machine Learning tools in Python, employment of relevant libraries to test models, generate adversarial patches, and apply modifications to deceive detection systems
- Analyzation of academic papers and experimentation with code from various repositories to deepen the understanding of patch generation, patch transformation, and patch application within image-based models

Josh Ramey Marketing: Norfolk, VA   May 2023-Aug 2023
Tech Intern (Front-End Software Development/Web Development)
- Built projects, pages, etc., in CSS and HTML

- Produced websites and blogs for clients through WordPress and Elementor
- Developed Search Engine Optimization (SEO) skills

Old Dominion University College of Sciences: Norfolk, VA   Jan 2023-May 2024
Senior Computer Science Tutor
- Aid students in gaining a greater understanding in a variety of undergraduate courses taught in the languages C++; Java; Python; etc., which placed them in a position to complete assignments
- Core computer science concepts such as Object-Oriented Programming, Algorithm Design, Data structures, and Language libraries were demonstrated to students