

Tristan Grubbs

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1. Education

University of Virginia

Charlottesville, VA

Bachelor of Science: Computer Science

Graduation: May 2026

Dean's List: Fall 2022, Spring 2023, Spring 2024

Relevant Coursework: Data Structures & Algorithms, Artificial Intelligence, Ethics of Artificial Intelligence, Network Security, Software Engineering

2. Experience

Naval Information Warfare Center - Data Analyst

Summer 2024 & Summer 2025

- Designed and deployed an interactive Power BI dashboard by transforming 11 fragmented datasets into actionable insights, driving data-informed decision-making for senior leadership
- Led the design and began implementation of a scalable Microsoft Power Apps solution to automate account management workflows, improving process efficiency
- Authored a technical design document and end-user guide, and contributed to performance testing of secure communication systems

Two Rivers Country Club – Outdoor Service

Summer 2023

- Managed daily operations of the cart barn, preparing golf carts and guest amenities for 100–200 visitors using manual scheduling tee-time itineraries
- Delivered high-touch guest service, including greeting, bag handling, and on-course support to ensure a premium experience for up to 200 daily patrons

3. Projects

Battling Knights – Strategy Game (Solo Project)

- Designed, programmed, and debugged a two-player medieval strategy game in Python, featuring custom visuals and turn-based gameplay logic

Game Library Web App (Team Project)

- Collaborated with a 5-person team to design, program, and beta test a web application for a fictional game library using Django
- Built core backend functionality for item management and cataloging; contributed to frontend UI and iterative testing

Product Development & Pitch Project

- Conducted market research and competitive analysis as part of a 4-person team to identify user needs for a conceptual product
- Designed product mockups, defined a value proposition, and co-presented a final product pitch to stakeholders in a simulated venture scenario

4. Technical Skills

- **Languages:** SQL, Python, Java, C, MATLAB
- **Tools & Platforms:** Power BI, Excel, Git
- **Web Development:** Django, HTML, CSS
- **Active US Government Secret Clearance**