DAN AFFUL

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EDUCATION

UMD **College Park, MD**
B.S. Information Science *Aug 2024 – May 2026*
- **GPA:** 3.84
- **Minor:** Risk Management, Ethics, and Privacy
- **Relevant Coursework**: Database Design and Modeling, Dynamic Web Applications, 'Organizations, Management, and Teamwork', 'Technologies, Infrastructure, and Architecture', Object-Oriented Programming

Montgomery College **Rockville, MD**
A.S. Computer Science *Sep 2019 – May 2023*

PROJECTS

React/Firebase QA Test Suite | Jest, Cypress, React Testing Library, Firebase **Aug 2025**
Personal Project
- Built an automated QA suite for a React/Firebase stats platform. minutes per pay period (90% time saved)
- Wrote Jest unit tests validating component rendering, state changes, and data transforms
- Created Cypress E2E flows to test login, live updates, and dashboard navigation.
- Mocked Firebase queries to test edge cases like missing data, slow network, and inconsistent writes.

Soccer Stat Tracker | React, Chart.js, TailwindCSS **May 2025**
Personal Project
- Built real-time stat tracking using Firebase Auth and Firestore with validation checks ensuring conflict-free updates.
- Debugged component lifecycle issues to prevent redundant renders and inconsistent UI states.
- Built dashboards and verified data consistency across multiple devices in real time.

Payroll Analysis Automation | Python, SQL, Tableau **Mar 2025**
Personal Project
- Automated payroll data processing, reducing manual cleanup from 3 hours to under 15 minutes (90% faster).
- Built validation scripts to detect data anomalies, missing fields, and outliers.
- Tested SQL joins and data models before dashboard creation.

EXPERIENCE

Peter Chang **Columbia, MD**
Server *October 2023 – Present*
- Resolved guest-facing issues quickly, strengthening communication and incident-handling skills.
- Ensured accurate, confidential payment handling.
- Trained 6 new team members, reducing onboarding time by 50%.

Chick-Fil-A **Rockville, MD**
Delivery Driver *Sep 2021 – Sep 2022*
- Followed strict routing and verification processes to ensure accurate, timely deliveries.
- Coordinated with staff to troubleshoot order or logistics issues.

Code Ninjas **Germantown, MD**
Coding Instructor *Aug 2018 – Oct 2018*
- Taught Python and Scratch fundamentals focused on logic, debugging, and problem-solving.
- Assisted with large STEM events and maintained organized learning environments.

ACTIVITIES & LEADERSHIP

Information Science Student Association(ISSA) **College Park, MD**
Co-President *Mar 2025 – Present*

Cybersecurity Club **College Park, MD**
Club Member *Jan 2025 – Present*

Netverse **College Park, MD**
Officer *Jan 2024 – Present*

SKILLS & INTERESTS

Languages & Frameworks: Python, Java, JavaScript, TypeScript, MySQL, React, Node.js, REST APIs, R, C++

Tools & Libraries: Git/GitHub, VS Code, Pandas, NumPy, Jupyter Notebook, Tableau, Excel

Testing & QA: Jest, Cypress, React Testing Library, PyTest, Test Case Design, Regression Testing, Integration Testing, Bug Triage

Academic Recognition: Distinguished Dean's List (Fall 2024, Spring 2025)