# MATTHEW WATSON

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## SUMMARY OF QUALIFICATIONS

Versatile Computer Science graduate from the University of Maryland with a strong foundation in programming, systems, and problem-solving. Experienced in full-stack development, scripting, and technical troubleshooting, with proficiency in languages such as Python, Java, and Rust. Comfortable working with modern frameworks and tools like React, Node.js, and Flutter, as well as exploring areas such as cybersecurity, data analysis, and IT operations. Eager to contribute to impactful projects, support technical initiatives, and grow within a collaborative, fast-paced environment.

## EDUCATION

**University of Maryland, College Park**                                    *August 2021* - May 2025
Bachelor of Science, Computer Science
**Notable Coursework**
CMSC335 – Web Application Development with JavaScript
- Built full-stack interactive web applications using HTML, CSS, and JavaScript, and integrated third-party APIs with backend data persistence.

CMSC420 – Advanced Data Structures
- Implemented balanced trees, hash maps, and graph algorithms for optimized data retrieval using Python utilizing Object-oriented design.

CMSC434 – Human-Computer Interactions
- Leveraged UX and UI design principles to design intuitive interfaces for web and mobile apps.

CMSC456 – Cryptography
- Explored symmetric encryption, RSA, and digital signatures through hands-on programming labs.

**UMD Cyber Security Club,** Member                                    *September 2023- May 2025*
- Engaged in discussions of online security topics, showcasing different modern threats to online businesses and markets.

## WORK EXPERIENCE

**iD Tech**                                                        College Park, Maryland
*Programming Instructor*                                            *May 2025 – Present*
- Instruct and mentor over 50 students in foundational programming concepts using Java and Python.
- Develop and deliver lessons incorporating AI integration, game design, and interactive programming projects.

**UMD Police Auxiliary**                                            College Park, Maryland
*Student Police Aide*                                            *August 2024 – January 2025*
- Conducted campus-wide patrols and security details, ensuring safety for students and staff.
- Investigated incident reports, coordinated with university police on safety concerns and ensured campus emergency telephones operational.

**Transtar Moving Systems**                                        Moorestown, New Jersey
*Carrier*                                                        *May 2024 – August 2024*
- Assisted in coordinating client relocations, optimizing logistical planning and efficiency.
- Managed storage and inventory tracking for corporate and residential moves.

## PERSONAL PROJECTS

**SPLITCO Fitness,** *https://www.splitco.xyz/*                            *May 2024*
- Developed a responsive web application using React, Node.js, and Supabase for users to create, share and explore custom workout routines.
- Included features for organizing workout splits by day and tracking exercises, with integrated tools for calculating maximum lifts and tracking exercise progress.

**CampusNextDoor Review App**                                        *September 2024*
- Developed a Flutter mobile app leveraging Google Maps API and Redis, allowing University of Maryland users to create reviews of different campus amenities and buildings.
- Integrated location-based suggestions that recommend amenities based on previous user reviews and proximity.

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, Rust, Dart, JavaScript, HTML/CSS, C/C++c
**Frameworks & Tools:** React, Node.js, Flutter, Supabase, Pandas, Redis, Git