Zachary Kralec

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EDUCATION

St. Mary's College of Maryland | Saint Mary's City, MD
Bachelor of Science in Computer Science, Minor in Business | GPA: 3.42
Relevant Coursework: Data Structures, Algorithms, Networks, Acceleration, Theory of Computation, Architecture, Operating Systems, Human Factors
Awards & Honors: Dean's List (Fall 2022, Fall 2023, Fall 2024)

RELEVANT EXPERIENCE

LTN Global Communications Inc. | Columbia, MD   May 2024 - August 2024
QA Development Intern
- **Automated 5+ video tests using CLI tools**, reducing testing time by 50% and improving readability through scripting (Python).
- **Collaborated on Gitlab CI/CD pipelines** to streamline code deployments and troubleshoot bugs, contributing to 5+ critical code fixes.
- **Identified and resolved 5+ performance vulnerabilities** in video encoding/decoding systems, ensuring secure and optimal client-facing outputs.
- **Documented 50+ test cases and bugs** in TestRail, aligning QA processes with DevOps best practices for traceability and scalability.
- **Tested 15+ encoders/decoders** for security flaws (e.g. latency, data leaks) to mitigate risks in broadcast infrastructure.

Sinclair Inc. | Hunt Valley, MD   June 2023 - August 2023
IT Service Management Intern
- **Developed a centralized Product Training Site prototype** in 2 months using Agile methodologies, improving internal workflow efficiency.
- **Optimized ServiceNow workflows** to complete 10+ IT service enhancements, reducing the original ticket time.
- **Prioritized budget allocation** for critical technology upgrades, mitigating risks from outdated systems while saving $300k+ in costs.

TECHNICAL PROJECTS

Track Tracker | Personal Project, iOS   February 2024 - Present
- **Built a secure iOS app** using Firebase authentication and encryption to protect user data (email, password, etc.)
- **Integrated 2 RESTful APIs** to automate data synchronization and enable real-time workout tracking, meal generation, and more.
- **Implemented Git version control** for collaborative development, maintaining a clean and scalable codebase.

ADDITIONAL EXPERIENCE

Captain, Men's Track & Field | St. Mary's College of Maryland   August 2022 - Present
Men's Captain
- **Led 30+ athletes** in daily training and strategy sessions, fostering accountability and teamwork in a high-pressure environment.
- **Coordinated remote collaboration** during off-season training by encouraging athletes to complete workouts and training while away.
- **Mentored 5+ teammates** in my primary events to help them perform better and improve their consistency.

SKILLS & INTERESTS

- **Programming Languages:** Python (Proficient), Java (Proficient), C/C++, SQL, Swift, JavaScript
- **DevOps & Automation Tools:** GitLab, GitHub, Docker, AWS, Azure, CLI, APIs, Jira, Wireshark, Agile/Scrum
- **Security & Cloud:** Firebase, Incident Response, Cloud Architecture, Cybersecurity Fundamentals
- **Technical Interests:** DevSecOps, Security Automation, API integration, Cloud Computing, AI/ML, Software Development