MANOLO MARTIN

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EDUCATION

Bachelor, Computer Science | GPA: 3.71   **Grad: May 2024**
George Mason University   Fairfax, VA
- Vice President of the George Mason National Society of Engineers Chapter
- Commonwealth Cyber Initiative Scholar and Undergraduate Research Assistant
- <u>Relevant Courses</u>: Operating Systems | Artificial Intelligence | Data mining | Databases | Networking | Analysis of Algorithms | Data Structures | Secure Programs | Cryptography | Testing and Maintenance

SKILLS

Languages & Technologies

♦ .NET ♦ Agile ♦ C ♦ C# ♦ CI/CD ♦ Confluence ♦ CSS ♦ Data Structures ♦ Docker ♦ ExpressJS ♦ Firebase ♦ Git ♦ HTML ♦ Java ♦ Jenkins ♦ Jest ♦ Jira ♦ Javascript ♦ Kafka ♦ Microsoft Azure ♦ NodeJS ♦ Postman ♦ PostgreSQL♦ Python ♦ PyTorch ♦ React ♦ SQL ♦ Svelte ♦ Test Driven Development ♦ Typescript ♦ Unix

PROFESSIONAL EXPERIENCE

Undergraduate Research Assistant   **Feb 19 2024 - Present**
Commonwealth Cyber Initiative   Fairfax, VA
- Researched leveraging computer vision to enhance safety protocols in advanced manufacturing environments.
- Engineered data pipelines utilizing Python and socket programming, facilitating analytics and training of AI models for predictive insights and operational efficiency.

Software Developer Intern   **Feb 13 2024 - Present**
NECX   Fairfax, VA
- Collaborated closely with the CTO, driving projects that further the mission of empowering crime victims with cutting-edge technological innovations.
- Contributed to the development life cycle of both full-stack and mobile applications, leveraging tools such as Microsoft Azure, Node.js, React, Flutter, Next.js, and Firebase.

Tutoring Specialist I   **Aug 22 2022 - Present**
PassCS   Fairfax, VA
- Delivered tutoring sessions in Java, C, and Data Structures, catering to up to 4 clients a week, resulting in full letter grade improvements and increases in overall understanding and application of these concepts.
- In collaboration with a team of 13 tutors, created and fine-tuned strategies specifically designed for college-level learning that helped students pass classes with an 86% success rate.

Software Engineer Intern   **May 22 - Aug 4 2023**
Pluralsight   Remote
- Performed migrations of Postgres tables using Postman, Postico, and Docker improving database performance.
- Engaged in pair programming to implement JWT-based user authentication using Typescript and Express, which improved user authentication efficiency across platforms.
- Accelerated frontend rebranding initiatives by translating Figma designs into responsive web interfaces using Gitlab, HTML, CSS, and Svelte.
- Enhanced API endpoints, managed subscriptions, and performed maintenance on data streams, utilizing tools such as Kafka, C#, and ASP.NET, which contributed to improvement in data flow efficiency and system stability.

Software Engineer Intern   **June 6 - Aug 19 2022**
Sonatype   Remote
- Collaborated in an Agile Scrum team dedicated to the Nexus Lifecycle product.
- Enhanced front-end application stability and user experience by identifying and rectifying bugs in JavaScript, alongside developing test suites in Jest for React and Redux components.
- Utilized Java Spring, Hibernate, and Selenium to develop RESTful endpoints that facilitated the dynamic population of webpages with data.
- Transitioned GEB test suites from Groovy to Java, using Selenium for improved automation and testing efficiency.
- Leveraged tools such as Github, Jira, Confluence, and Slack to increase team efficiency.

<u>US Citizen</u>