

# Kevin Sorto

☎ 571-991-4334 | ✉ me@kevinsorto.com | 📁 Portfolio | 🔗 linkedin.com/in/kevin-sorto

## EDUCATION

### George Mason University

*Master of Science in Computer Science, Concentration in Machine Learning*

Fairfax, VA

Aug. 2024 – May 2025(Expected)

### George Mason University

*Bachelor of Science in Computer Science, Minor in Mathematics*

Fairfax, VA

Aug. 2021 – May 2024

## EXPERIENCE

### Nexus

Aug 2022 – Present

*Software Engineer Intern*

*Remote*

- Architected a new interactive feature for real-time chat using React.js, driving a 40% increase in user adoption and positively impacting overall user retention rates.
- Implemented advanced JavaScript techniques, including code-splitting and lazy loading, resulting in a 15% reduction in overall page load speed, enhancing the website's performance and user experience.
- Revitalized code readability and reduced complexities by 30% in a legacy codebase through extensive code refactoring, ensuring the reliability and maintainability of the optimized codebase.

### College of Engineering and Computing

Aug 2021 – Dec 2023

*Research Assistant/Developer*

*Fairfax, VA*

- Initiated a 12-week skills development program for the research team, focusing on the latest advancements in computer vision, resulting in enhanced expertise among 10 team members.
- Created a comprehensive dataset for image recognition, consisting of 1,000+ annotated images, accelerating the training of models and contributing to the project's success.
- Designed and executed a semester-long project, leveraging C/Python to enhance a low-light camera sensor. Achieved a significant milestone with a 15% increase in sensor accuracy.

## PROJECTS

### PatriotPlayers | React, Python, MongoDB, HTML, CSS, Node.js, Express.js

Aug 2023 – Present

- Led a cross-functional Scrum team in the development of a full-stack web application through bi-weekly sprints, resulting in the successful delivery of 30+ user stories, demonstrating efficiency and adherence to Agile principles.
- Optimized MongoDB queries, reducing average query response from 100ms to 75ms, enhancing the app's scalability for handling larger datasets.
- Ensured seamless user experiences across multiple major browsers by implementing CSS and HTML standards, resulting in a 20% reduction in reported browser-related issues.

### Improving Mobile Device Astrophotography | Python, MatLab

Aug 2023 – Jan 2024

- Engineered an advanced image processing pipeline using deep learning models, resulting in a 25% improvement in the clarity of nighttime sky photos captured on a mobile device.
- Produced cross-platform compatibility by optimizing memory usage in MATLAB and Python solutions, allowing users to experience improved sky photography on both iOS and Android devices.

### Inversion | C#, Unity, Git

Sept 2022 - Dec 2022

- Employed Git for version control and ensured optimal performance by conducting load testing and profiling in the development of an engaging 2D platformer game, showcasing proficiency in C# and Unity to create a visually captivating experience.
- Implemented an iterative development process, leading to regular play-testing sessions and swift implementation of player feedback, resulting in a highly polished 10-level final product.

## TECHNICAL SKILLS

**Languages:** Java, C/C++, C#, SQL, Python, JavaScript, HTML/CSS, MATLAB

**Frameworks/APIs:** React, Node.js, Tailwind CSS, Unity, JUnit, JDBC, MongoDB, FastAPI

**Developer Tools:** Git, Jupyter Notebooks, Trello, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** OpenCV, NumPy, PyTorch

## LEADERSHIP

- Assistant Store Manager:** Led an Aldi grocery store which grossed over \$1.2 million monthly.
- Target Team Leader:** Managed over 50+ employees across various departments.