

Kevaun Harris

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SUMMARY

Recently graduated Software Developer with practical experience in Full-Stack development and Software Engineering methodologies. Skilled in React, Node.js and Python, with a strong foundation in AI-centered applications and intuitive end-to-end user experience design. Passionate about developing responsive and scalable applications leveraging modern technologies and robust architectures. Experienced in Software Development Life Cycle and cross-functional collaboration

EDUCATION

Ontario Tech University

Bachelor of Software Engineering Honours

Oshawa, ON

Sept. 2021 – April 2025

EXPERIENCE

SeeTek Mobile Banking

Full-Stack Software Engineer

Toronto, ON

April 2024 - Sept 2024

- Collaborated with cross-functional teams in an agile development environment to create a secure and responsive wallet banking application, ensuring seamless and adaptive UI scaling across mobile and desktop platforms.
- Applied robust encryption-based authentication protocols, significantly enhancing system security and reducing unauthorized access vulnerabilities by 20%.
- Gained extensive hands-on experience in full-stack development, including API integration, database management, agile methodologies, code reviews, SDLC and modern frontend technologies, resulting in a scalable financial solution.

PROJECTS

Rover AI Insect Identification | *Python, JavaScript, Tailwind, React, MongoDB*

- Engineered an AI-powered object detection pipeline utilizing TensorFlow and YOLO models for real-time autonomous rover navigation, invasive species recognition, and automated logging with optimized computer vision algorithms.
- Designed a responsive and interactive front-end using React, integrated RESTful APIs, MongoDB for database management, and employed Tailwind CSS to deliver enhanced user experience and dynamic visual engagement.
- Developed and fine-tuned custom deep learning models with probability scoring and confidence thresholding, achieving detection accuracy averaging 90%.
- Incorporated IoT environmental sensors for data-driven habitat analysis, significantly improving detection efficiency and increasing operational productivity by 60%.

MangaVision | *React, Python, Google TTS, OpenAI, Tailwind*

- Constructed an innovative manga web platform leveraging OCR (Tesseract) for text extraction and Google Text-to-Speech (TTS) to create immersive, character-specific audio experiences.
- Implemented an interactive conversational AI chatbot using OpenAI GPT models merged with computer vision for contextual analysis and dynamic dialogue generation from visual manga panels.
- Enhanced text extraction precision through intelligent image segmentation techniques, effectively isolating speech bubbles and improving readability in complex visual scenarios.

Music Library Application | *Java, JavaFX, JUnit*

- Developed an intuitive GUI application using JavaFX with XML-based UI structuring, CSS styling, and robust automated unit testing via JUnit to validate functionality and interface logic.
- Built a scalable multi-threaded client-server architecture with Java Sockets for concurrent TCP communication, applying custom serialization to optimize data transfer and reduce bandwidth usage by 12%.
- Improved application reliability and maintainability through modular design principles, comprehensive JUnit testing for test driven development, and structured exception handling across networked interactions.

Railway Management System | *PHP, CSS, HTML*

- Created a dynamic, real-time web application providing timely updates on train departures and nearby stations, enhancing commuter accessibility and convenience.
- Integrated RESTful backend APIs for dynamic data retrieval including location and delay updates, enabling responsive adjustments to train schedules and elevating passenger satisfaction.
- Enforced performance optimization metric, achieving rapid page loading and efficient data handling through effective data retrieval techniques and responsive web design best practices.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, HTML5, CSS3, C++

Frontend & Frameworks: React, React Native, Angular, Vue, Next.js, Bootstrap, Redux, Tailwind, JSX

Backend & Databases: Node.js, Express, Django, .NET, RESTful APIs, Firebase, MongoDB, MySQL, SQL, Redis, PostgreSQL

Cloud & Developer Tools: AWS, Azure, GCP, Docker, CI/CD, Vercel, Git, GitHub, NPM, Visual Studio Code

Design & Methodologies: UI/UX Design, Agile, Scrum, SDLC, Linux, Figma, Web3, Data Structure, Problem solving