

Daniel Monday-Ogidi

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EDUCATION

Wilfrid Laurier University | Waterloo, ON **Jan 2026 – Present**

M.Sc. Applied Computing

University of Birmingham | Birmingham, UK **Sep 2021 – Jul 2024**

B.Sc. (Hons) Artificial Intelligence and Computer Science

SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL, C++, C#, Go, Rust

Frameworks & Libraries: React, React Native, Next.js, Node.js, Django, Spring Boot, Pandas, NumPy, FastAPI, PyTorch

Cloud & DevOps: AWS, Docker, Kubernetes, Terraform, Jenkins, GitHub, Azure, Google Cloud Platform (GCP), Linux

WORK EXPERIENCE

HeySalad | London, UK: **Software Engineer** **Sep 2024 – Sep 2025**

- Led a team of 4 developers at a growth stage startup, using Agile tools like Jira to optimize sprint execution and accelerate feature delivery; improved operational efficiency by **25%** and contributed to faster product iteration cycles.
- Implemented dependency injection with React Native, optimizing code modularity and maintainability, reducing bug-related issues, and saving over **50** hours of development time across multiple app modules.
- Collaborated with a fast growing startup using AWS and Google Vertex AI to deliver scalable AI-driven features; enhanced product market fit by improving customer engagement and reducing latency by **60%**.
- Managed build processes using App Store Connect and Expo, automating deployments by generating .ipa files and utilizing Transporter for seamless uploads, reducing release time by **2** weeks and quicker time-to-market for new features.

University of Birmingham | Birmingham, UK: **Software Engineer Researcher** **Jan 2024 – Aug 2024**

- Developed a high-accuracy AI model (**95%**) integrating IoT sensors for real-time waste categorization, demonstrating applied innovation with commercial relevance in sustainability tech.
- Conducted secondary market research on recycling tech adoption and competitive benchmarking to contextualize AI model development within broader industry trends.
- Led the development of machine learning algorithms on Jupyter using a dataset, achieving **40%** fewer classification errors in waste identification, streamlining sorting processes, and reduced misclassified items in recycling by **200+** cases weekly.

Severn Trent Water | Coventry, UK: **Software Quality Assurance Analyst Intern** **Jun 2023 – Aug 2023**

- Collaborated with cross-functional teams to design scalable web applications, leveraging JavaScript for dynamic front-end features and Django for back-end integration, resulting in a **10%** rise in customer satisfaction within the first quarter.
- Developed and executed comprehensive unit tests using Selenium for critical software components, ensuring code reliability, which led to **200+** more proactive measures taken annually and reduced service disruptions by **15** incidents per quarter.
- Created an incident reporting app with Microsoft Power Apps for Severn Trent, enhancing response times for water supply issues by **50%** and preventing over **50** unplanned outages annually.
- Implemented Prometheus for real-time monitoring and alerting, which detected and alerted on over **10** critical incidents monthly, boosting response speed by **30%** and reducing overall system issues by **25%** annually.

PROJECTS

PINBIN | Smart Waste Management System **Sep 2023 – Mar 2024**

- Engineered a React app with a Django backend, integrating IoT devices (camera, ultrasonic sensor, RFID reader) for real-time recycling tracking by designing a user dashboard to monitor points, activity, and bin locations with live updates, resulting in over **20** fewer unnecessary trips to bins each week.
- Built an AI system using PyTorch and CNNs, training on a Kaggle dataset to classify items into **6** categories. Integrated real-time sensor data, improving recycling accuracy and reducing bin overflow incidents for **500+** weekly disposals.

MatchPoint | Sports Social Web Application **Jan 2023 – May 2023**

- Designed an AI-driven recommendation engine with LightFM that increased user engagement by **30%**, demonstrating the business value of personalization in digital platforms.