

# Damy Matuwidi

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## Education

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University of Surrey, Undergraduate BSc Computer Science (Predicted 1 <sup>st</sup> )	2023 – 2026
Key Modules: Privacy Enhancing Technologies, Information Security Management, Engineering Internet Scale Systems	
Harris City Academy Crystal Palace	2021 – 2023
A-Levels: Computer Science (A), Mathematics (A), Business (B)	
Harris Invictus Academy Croydon	2016 – 2021
GCSE: 7 Subjects (All grades 9) including Mathematics and English	

## Technical Skills & Certifications

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Programming Languages: Python, Java, C++, TypeScript  
Frameworks: React, Next.js, Tailwindcss, Svelte, Django, MUI, JUnit

Responsive Web Design Certification – freeCodeCamp	2024
SETsquared Partnership IKEEP Programme Intrapreneurial Training Award – SETsquared	2025

## Projects

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Volunteer-Matching Web Application (Next.js, TypeScript, PostgreSQL, Git)	2025
<ul style="list-style-type: none"><li>Designed the branding document and prototyped the skeleton for the webpages</li><li>Implemented the front-end features whilst adhering to the agreed design style</li><li>Produced a report including MVP scope, designs, user stories based on client's needs</li></ul>	
AI Flashcards SaaS Web Application (Next.js, Gemini, Clerk, Stripe, MUI)	2024
<ul style="list-style-type: none"><li>Applied Clerk's API to allow user authentication and Stripe API to process payments.</li><li>Programmed an API backend to generate flashcards based on user prompt using Gemini.</li></ul>	
Microsoft Embrace EDI Challenge – Team Leader	2023 – 2024
<ul style="list-style-type: none"><li>Supported a group to develop an innovative solution to leverage technology in poorer regions.</li><li>Assessed how the solution will impact the regions and calculated appropriate costs.</li><li>Presented the solution in a short 3-minute edited video, taking us up to the semi-final stage.</li></ul>	

## Experience

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University of Surrey – Peer Active Learning Support (PALS)	2025
<ul style="list-style-type: none"><li>Facilitated learning for up to 80 students per lab session by diagnosing code errors, clarifying complex programming concepts and guiding students toward solutions while promoting independent learning.</li><li>Collaborated with teaching staff to support course delivery and ensure consistent learning outcomes across lab sessions</li></ul>	
Co-op – Customer Team Member	2025
Headstarter AI – Software Engineering Fellow	2024
<ul style="list-style-type: none"><li>Developed and deployed 5 full-stack AI projects in 5 weeks, followed agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.</li><li>Collaboratively programmed an interactive customer support agent with an integrated custom RAG pipeline using Gemini and Pinecone.</li></ul>	
Young Enterprise – Managing Director	2022
<ul style="list-style-type: none"><li>Guided a 9-month business venture from start to finals, coordinating team activities, fundraisers, managing project timelines and delivering presentations showcasing our products to stakeholders.</li></ul>	

## Additional Information

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Languages: English, French (Intermediate), Lingala (Intermediate)

Achievements: University of Surrey's Dean's List (2024 & 2025), HCACP Best in Computer Science (2023)

Interests: Music – Writing, playing and conducting musical compositions and hymns.