SIDBEWENDIN OZIAS KAFANDO

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EDUCATION

Borough of Manhattan Community College   New York, NY

A.S in Computer Science, GPA: 3.936/4.0   *Aug 2024 – May 2026*

- *Relevant Courses: Data structure & Algorithms, Object – Oriented Programming, Database Systems, Software Development*

EXPERIENCE

AI Marketing Content Assistant - PowerToFly   New York, NY

January 2026 – Present

- Engineered Python-based AI tool using OpenAI GPT-4 API to generate SEO-optimized marketing content for tech education platforms (Skillcrush, PowerToFly, Udemy)
- Designed and tested 15+ prompt engineering variations optimized for different audienceawareness levels (discovery, consideration, conversion) and geographic contexts
- Conducted systematic research analyzing marketing pages to identify tone patterns, SEO gaps, and content structures, reducing content generation time.

Undergraduate Researcher — Medical Imaging & AI   New York, NY

Borough of Manhattan Community College (CSTEP Program)   August 2025 – Present

Mentor: Prof. Younes Benkarroum

- Implement filtered back projection algorithms in C++ to reconstruct CT scan images from sinogram data, improving image clarity through noise reduction techniques.
- Work on improving image quality through algorithmic methods such as filtered back projection and noise reduction.
- Explore the integration of AI models to enhance reconstruction accuracy and interpretability.
- Document research methodology and findings for potential publication, presenting weekly progress to research group

McDonald's   New York, NY

Crew Member   March 2025 – Present

- Prepared and assembled hundreds of orders daily across grill, fryer, and sandwich station, maintaining speed and accuracy during high-volume rush hours
- Trained 2 new team members on grill and fryer operations, improving onboarding efficiency and team coordination

PROJECTS

BMCC Meal Finder | *C++,HTML,CSS*

- Developed desktop application addressing food insecurity BMCC students by centralizing access to 5+ campus meal resources including cafeterias, food pantries, and emergency meal programs
- Applied object-oriented design principles (inheritance, polymorphism, operator overloading) to build a maintainable and scalable codebase.
- Presented the project to my BMCC CSC211 Honors Class

Community Church App | Web & Mobile *(in progress)*

- Building a digital platform for church members to access events, livestreams, and archived services.
- Improved community communication beyond WhatsApp and temporary Zoom links.

PomAI – AI-Powered Study Assistant | Python, OpenAI API, React *(in progress)*

- Built a productivity tool combining a Pomodoro timer with AI-generated summaries and flashcards to improve retention.
- Designed features for active recall and spaced repetition based on real student learning challenges.

- Tested prototypes with classmates and mentees; iterating based on usability feedback.

LEADERSHIP/EXTRACURRICULAR

Programming Club | Member   January 2025 – May 2025

- Developed programming skills through challenges, conference and bootcamp

Coalition Club | Member   January 2025 – May 2025

- Cleaned 3 NYC parks, Packed food, helped at Trinity Church

Youth Events Coordinator & Secretary — CIE-MIA Church   October 2024 – Present

- Organized educational Zoom events on real estate opportunities and financial literacy for African immigrants.
- Coordinate youth programs and monthly mentoring sessions focused on academic guidance and life skills.

UMLA Each One Reach One Program - Mentor   September 2025 – Present

- Mentor 3 students on college navigation, study strategies, and career planning.
- Connect mentees with academic resources and community support networks.

HONORS & AWARDS

Dean's List, Borough of Manhattan Community College   Spring 2025

Dean's List, Borough of Manhattan Community College   Fall 2025

Certificate of Excellence – Urban Male Leadership Academy(UMLA)   May 2025

SKILLS

Programming Languages: Python, JavaScript, C++, HTML/CSS, SQL

Technologies/Frameworks: React.js, Node.js, Next.js, Django, MongoDB, GitHub

Developer Tools: VS Code, Git, Visual Studio, Microsoft Excel

Soft Skills: Communication, Teamwork, Organization, Problem-Solving

Languages: English (Fluent), French(Fluent), Mooré (Fluent), Spanish(Beginner)