

# PAPA YAMA NDIAYE

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## SUMMARY

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Recent Computer Science graduate (BSc, Honours) with 3.7 GPA, aspiring Full-Stack Software Engineer and Cloud Practitioner seeking full-time opportunities.

## EDUCATION

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### Bachelor of Science (Honours), Computer Science with Software Engineering

*University of Windsor*

2021 – 2025

- Minor in Mathematics

- Relevant Coursework: Software Verification and Testing, Operating Systems Fundamentals, Advanced Object-Oriented System Design, Computer Networks, Database Management Systems, Data Structures and Algorithms

## SKILLS

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**Technical Skills** Agile/Scrum Methodologies, Git/GitHub, AWS Tools, Database Management

**Soft Skills** Project management, Adaptability, Communication

**Programming** MongoDB, Express, React, Node.js, JavaScript, Python, Laravel, Java

## CERTIFICATES

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AWS Certified Cloud Practitioner

## RELEVANT EXPERIENCE

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### Backend Engineer Intern

May 2024 - August 2024

Koch Technologies

*Windsor, Ontario*

- Built and maintained APIs using the MERN stack with TypeScript.
- Integrated Swagger for documentation and Stripe for payments.
- Optimized database queries and schema for performance.
- Deployed and managed cloud infrastructure using AWS tools.

### Full Stack Developer Intern

June 2023 - August 2023

African Refining Company

*Dakar, Senegal*

- Developed a Laravel-based logistics and user management app tailored to scientific team needs.
- Integrated a professional UI template to improve usability and functionality.
- Managed and optimized PostgreSQL databases for performance and integrity.
- Collaborated with the scientific team to collect requirements and iterate on feedback.

### Software Developer Intern

May 2022 - August 2022

Neurowyzz

*Windsor, Ontario*

- Built Scala-based models and scoring logic for mental health battery games.
- Added mutation testing (Stryker) and static analysis (WartRemover) to CI/CD to improve code quality and maintainability.
- Automated linting and testing with GitHub Actions to reduce QA overhead and catch regressions.
- Collaborated remotely with a global team over a 12-hour time difference using GitHub.

## ADDITIONAL EXPERIENCE

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### Undergraduate Teaching Assistant

University of Windsor

February 2024 - December 2024

*Windsor, Ontario*

- Support Computer Science courses on language grammars, parsing methods, compiler construction, and computer networks.
- Oversee office hours and labs and handle assignment and exam grading.

### Online Program Attendant

University of Windsor

May 2023 - December 2024

*Windsor, Ontario*

- Manage logistics for online PhD classes, respond to inquiries, and support the development of program policies.
- Provide multichannel technical support and troubleshooting for students and instructors.

## PROJECTS

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**Digital Portfolio:** Designed an interactive portfolio using React to showcase my skills, background, and goals. Built a user-friendly, responsive interface and refined the site with feedback to align with my professional image.[\(Visit here!\)](#)

**QuickCook Meal Planner:** Built a MERN stack meal planning app with React Native, integrating AI and APIs for ingredient recognition and personalized recipes. Designed to reduce food waste with responsive front-end and efficient back-end features.

**Planning Poker Website:** Developed a Planning Poker site with Laravel and PostgreSQL to support agile estimation. Integrated secure user authentication and session management and designed a user-friendly interface for effective team collaboration.

**Flight Simulator:** Led a 5-member team as Scrum Leader, managing the GitHub repository. Developed a space flight simulator using SCRUM and JAVA3D, featuring split screen multiplayer and controllable planes with weapon systems.

**TINY Language Compiler:** Built a Java class for recursive-descent parsing to validate input, used JLEX for tokenization, and implemented grammar rules with JavaCup for top-down parsing to generate executable code.

## EXTRA-CURRICULAR ACTIVITIES

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### Academic and Athletic Achievements

- Awarded the **Silver LEAD Medallion Scholar**, University of Windsor – Faculty of Science (2025), recognizing excellence in Leadership, Engagement, Application, and Discovery.
- WinHacks2024 Hackathon, Rocket innovation challenge first place and solo winner.
- Completed VentureU Business Bootcamp and won the best pitch award for an EV adoption idea.
- Attended the first Dakar Forum Of Students (DAKFOS) at the International School of Dakar (ISD)

### Volunteering

- Volunteered as an Ambassador for the VentureU Business Bootcamp, mentoring and assisting participants.
- Helped in building classrooms alongside Swiss IB Students
- Volunteered on a Weekly basis to tutor grade schoolers and children with disabilities