

PAPA YAMA NDIAYE

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SUMMARY

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

EDUCATION

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

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

AWS Certified Cloud Practitioner

RELEVANT EXPERIENCE

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

Neurowyzr

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

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

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

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