

Anjolaoluwa Lasekan

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SUMMARY OF SKILLS AND QUALIFICATIONS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, C#, C++, C, PHP, HTML5/CSS3
- **Testing & QA:** PyTest, JUnit, Selenium, Jest, Cypress, Mocha, TestNG, Postman
- **Frontend:** React, Vue.js, HTML5/CSS3, Figma
- **Backend & Cloud:** Flask, Node.js, Firebase, AWS (EC2, ECR, S3, Lambda), Google Cloud, Docker, .NET
- **AI/ML & Data:** TensorFlow, Keras, PyTorch, OpenCV, Power BI, Data Processing Pipelines
- **Databases & Tools:** Oracle Database, MySQL, Git, CI/CD, Agile/Scrum, Visual Studio, PyCharm, IntelliJ
- **Languages:** English: Fluent (Spoken & Written) , French: Intermediate (Spoken & Written)

WORK EXPERIENCE

Data Intern – Quality Improvement Team

Oct 2025 – Jan 2026

Clinical Partnerships Office (CPO), Ingram School of Nursing, McGill University

- **Engineered 7-step Python ETL pipeline processing 21,179 emails across 8,128 conversation threads from multiple shared mailboxes**, achieving 99.9% thread grouping accuracy and 93.3% deduplication precision through automated testing with synthetic datasets
- Built 5 production Python scripts for email extraction (Outlook API), thread reconstruction, deduplication, and response-time analysis, with comprehensive unit tests using PyTest and secondary validation checks
- Analyzed 1,070 SharePoint folders containing 2,625 files using Python scripts (shareplum, pandas) to identify documentation gaps, optimize folder structure, and ensure ISO 9001:2015 compliance
- Developed 3 interactive Power BI dashboards integrating SharePoint and Outlook data via REST APIs, visualizing 15+ operational metrics including email volume trends, response times (avg 61 hours), and documentation coverage gaps
- Authored comprehensive SOPs, technical scribe guides, and qualitative coding frameworks ensuring audit readiness, repeatability, and smooth handover to stakeholders
- **Tech Stack:** Python, PyTest, Power BI, Microsoft Graph API, SharePoint API, Outlook win32com, pandas, numpy, sklearn, regex

Teaching Assistant,

Jan 2025 – Present

Concordia University, Montreal, QC

- Led weekly tutorials and evaluated 100+ Java assignments for COMP 6481 (Program and Problem Solving) and COMP 249 (Object-Oriented Programming II), covering fundamentals, OOP principles, design patterns, and software testing
- Demonstrated problem-solving strategies and debugging techniques through live coding sessions, providing detailed technical feedback on encapsulation, inheritance, polymorphism, and exception handling
- Provided one-on-one office hour support helping 30+ students develop algorithmic thinking and programming logic while maintaining grading consistency across courses
- Identified common student challenges and collaborated with instructors to improve course materials and lecture content

Frontend Developer Intern

Aug 2023 – Nov 2023

HNG Internship, Zuri Team Africa

- Developed Chrome extension for screen recording using JavaScript, Chrome APIs, and MediaRecorder API
- Built 5+ full-stack web applications using React and Firebase, serving 500+ users with real-time data synchronization
- Implemented responsive UI components from Figma designs with 95% design fidelity using modern CSS techniques

- Integrated RESTful APIs for data fetching, authentication, and third-party service communication
- Collaborated in Agile sprints using Git for version control, conducting peer code reviews
- **Tech Stack:** React, TypeScript, Vue.js, Firebase, REST APIs, Figma, Git

PROJECTS

Advanced Programming Practices Project: Building a “Risk” Game Simulation (Academic) [\[link\]](#) 2024

Concordia University, Montreal, QC

- Collaborated in a team of 5 to develop a Java-based strategy game featuring connected graph of territories and real-time strategic gameplay
- Implemented MVC architecture and Command pattern for game logic separation, ensuring modularity and maintainability
- Designed and implemented core mechanics (army deployment, battle logic, command processing) using object-oriented programming principles
- Wrote comprehensive JUnit test suite achieving 85% code coverage for core game mechanics and edge cases
- Used Git and ClickUp for version control, conducting code reviews to ensure code quality
- Tech Stack: Java, JUnit, OOP, Design Patterns, Git

Bank Transaction Dashboard (Personal Project) [\[Bank Transactions Dashboard\]](#) [\[API link\]](#) 2025

- Built full-stack web app showcasing user transactions through dynamic RESTful API calls
- Implemented JWT authentication and role-based access control using Firebase
- Optimized API response times to <200ms through database indexing
- Deployed with CI/CD pipeline using GitHub Actions and automated testing
- Tech Stack: Flask, Vue.js, Firebase, Python, REST API, GitHub Actions, CI/CD

Missing Person Search System (Academic) [\[Link\]](#) 2024

National Technical University of Ukraine, Kyiv, Ukraine

- Developed real-time facial recognition system combining Haar Cascade Classifiers (face/eye/smile detection) and CNN models for person identification from live video feeds
- Experimented with multiple pretrained models (VGGFace, ResNet, Inception) before implementing custom CNN architecture with Conv2D, MaxPooling, Dropout, and Softmax layers
- Trained model on dataset of 6 individuals (120+ images), achieving 93.52% training accuracy through iterative optimization of epochs, batch size, and network architecture
- Implemented end-to-end pipeline using OpenCV and Keras for image preprocessing, face detection, feature extraction, and multi-class classification
- **Tech Stack:** Python, Keras, TensorFlow, OpenCV (Haar Cascade), NumPy, scikit-learn

EDUCATION

Master of Applied Computer Science Co-op 2024 - 2026 (Expected)

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Program and Problem Solving, Comparative Study of programming languages, Advanced Programming Practices, Human Computer Interface Design, Distributed System Design, Applied Artificial Intelligence, Algorithm Design Techniques, Big Data Analytics
- GPA 3.48/4.3

Bachelor of Engineering 2019 - 2023

National Technical University of Ukraine, Kyiv, Ukraine

- Relevant Courses: Computer Vision, Machine Learning, Deep Learning, Data Structures and Algorithms, Database Systems, Artificial Intelligence.
- GPA 95/100