

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 Clinical Partnerships Office (CPO), Ingram School of Nursing, McGill University	Oct 2025 – Jan 2026
<ul style="list-style-type: none">• 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, <i>Concordia University, Montreal, QC</i>	Jan 2025 – Present
<ul style="list-style-type: none">• 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 HNG Internship, Zuri Team Africa	Aug 2023 – Nov 2023
<ul style="list-style-type: none">• 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