

## Aaron Muganda

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### Profile

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- Fourth-year student in the Software Engineering program at the University of Ottawa
- Experience with DAX, M, R, Python, Power Fx programming languages
- Experience in data analysis with Python, SQL, MongoDB, and Power BI
- Experience in data visualization with Power BI and MS Excel
- Experience in application development with Power Apps
- Experience in process automation and workflow optimization with Power Automate
- Experience in BI analysis and BI development
- Experience with Agile development approach
- Experience with Scrum, Kanban, Scrumban, Lean, and DevOps methodologies
- Proficient with tools such as Jira, Wrike, Asana, Slack, and Confluence
- Excellent verbal and written communication skills in both French and English

### Education

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#### **Bachelor of Applied Science in Software Engineering, option in Management and Entrepreneurship in Engineering (COOP)**

University of Ottawa, Ottawa, Ontario

September 2021 – Present

- Expected graduation date: December 2025

### Experience

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#### **Data Analyst**

Intact, Montreal, Quebec

January 2024 – April 2024

- Imported and formatted data from various sources and databases using MongoDB and Power BI
- Developed data visualizations with Power BI
- Set up monthly reporting with process automation
- Maintained and analyzed performance metrics and reports that support data-driven decision-making

#### **BI Analyst / Developer**

Kruger Products, Gatineau, Quebec

September 2023 – December 2023

- Automated and computerized a management system for receiving vital products, cartons, and paper rolls using Power Automate and Power Apps
- Developed performance tracking tools and automated process execution
- Developed various applications to meet internal client needs using Power Apps
- Developed electronic inspection tools in the factory using Microsoft Power Platform
- Created data visualizations with Power BI
- Maintained and analyzed performance metrics and reports that support data-driven decision-making with Power BI
- Developed effective communication tools with Power Apps
- Provided support for large-scale project deployment aimed at continuous process improvement in logistics
- Assisted in solving technical IT problems

#### **BI Analyst / Developer**

Bombardier Aerospace, Montreal, Quebec

January 2023 – April 2023

- Improved existing data reports with Power BI
- Participated in the development of factory performance tools by creating applications
- Analyzed data, data models, databases, data flows, and reports using Power BI
- Built performance indicators with Power BI
- Developed various applications to meet internal client needs using Power Apps
- Managed the creation and importation of data, data models, databases, and data flows with Power BI
- Managed and planned BI projects with stakeholders from development projects
- Designed tools for performance monitoring and optimization
- Interacted with internal clients and stakeholders

### Technical Skills

- Operating Systems: Windows and Mac OS
- Databases: MongoDB, PostgreSQL, SQL
- Development Environments: Visual Studio Code, IntelliJ IDEA, Eclipse, Application Stack Builder
- Microsoft Office 365
- Google Workspace
- Project Management Tools: Wrike, Asana, and Jira
- Version Control and Source Code Management: Git and GitHub
- Collaborative Work and Documentation: Confluence and Stream
- Prototyping: Canva, Miro, and Figma

### Communication

- Proficient in writing practices specific to scientific and technical fields
- Skilled in delivering oral presentations and writing technical reports
- Ability to write clear, detailed, and complete technical documentation
- Presentation of analytical results to non-specialists

### Data Analysis

- Ability to identify trends and patterns in data
- Creation of interactive dashboards
- Charts and data visualizations
- Descriptive data analysis
- Exploratory data analysis
- Multivariate data analysis
- Linear regression
- Design and management of databases
- Extraction, transformation, and loading (ETL)
- Relational database management systems

### Business Analysis

- Data visualization for decision-making
- Storytelling skills to provide context for data
- User and stakeholder needs analysis
- Identification and analysis of business problems
- Development of effective solutions
- Ability to anticipate obstacles and find alternatives
- Project planning and management
- Monitoring and respecting deadlines
- Stakeholder management
- Trend and pattern analysis
- Evaluation of the impact of business decisions
- SWOT analysis (Strengths, Weaknesses, Opportunities, Threats)
- Data security and confidentiality
- Data quality management