GAMELLE MEGANTCHE

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SUMMARY

- **4th year Software Engineering student** with strong foundation in data structures, algorithms, and system design
- **2+ years hands-on experience** in software development, database management, and data analysis
- **Proficient in Python programming** with experience in data handling, backend systems, and web development
- **Bilingual in French and English** with excellent technical communication skills
- **Quick learner** with demonstrated ability to master new technologies including Git, Azure DevOps, and database systems
- **Problem-solver** experienced in troubleshooting complex systems and optimizing data processing workflows
- **Academic Excellence:** Multiple scholarships including University of Ottawa Admission Scholarship (2021), Faculty of Engineering Scholarship (2022), and Sports Electronics Scholarship (2025)

EDUCATION

Bachelor of Applied Science in Software Engineering (CO-OP)

University of Ottawa **Expected Graduation: 2026**

Relevant Coursework: • Data Structures and Algorithms • Database Systems • System Design
• Human-Computer Interaction • Full-Stack Web Development • Software Architecture

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, SQL, HTML/CSS

Technologies & Frameworks: Node.js, React, MongoDB, Microsoft SQL Server

Tools & Platforms: Git, Azure DevOps, Wix CMS/Velo, MS Teams, VPN clients

Data & Analytics: Database design and optimization, data retrieval and processing, API development

Development Practices: Agile methodology, version control, documentation, testing

RELEVANT EXPERIENCE

Software Developer – Database Project (UnborderED, Bilingual Site)

University of Ottawa :**May 2025 – Aug 2025**

- **Solely designed and developed a bilingual database** of scholarships and opportunities using advanced CMS technologies
- **Built dynamic, filterable web applications** with sophisticated search algorithms and data processing features
- **Managed complex data translation workflows** and implemented automated validation systems for bilingual content
- **Created comprehensive technical documentation** ensuring system sustainability and knowledge transfer

Software Developer – CO-OP

Immigration and Refugee Board of Canada : **Sep 2024 – Dec 2024**

- **Developed data processing solutions** for internal applications handling secure database information
- **Optimized data retrieval and organization systems** using TypeScript and advanced SQL queries
- **Implemented system logic improvements** through collaborative code reviews and agile sprint methodology
- **Enhanced user experience** by analyzing data patterns and troubleshooting system performance issues

Software Developer Intern & Team lead

Wouessi : **Feb 2025 – Mar 2025**

• **Built and optimized backend data processing systems** using Node.js and MongoDB, achieving measurable performance improvements

• **Developed responsive web interfaces** with React and Tailwind CSS, ensuring cross-platform compatibility

• **Collaborated in data-driven development cycles** to deliver features based on user analytics and feedback

• **Led technical initiatives** to resolve system bugs and implement performance optimizations

IT Support & Systems Analyst

IRB Canada : **Jan 2024 – Aug 2024**

• **Analyzed and resolved complex technical issues** using systematic troubleshooting methodologies

• **Managed user data and system configurations** in centralized databases with attention to security protocols

• **Processed and documented technical solutions** for diverse user scenarios and system edge cases

• **Maintained system performance** during high demand periods through efficient problem prioritization

Programming Assistant (CO-OP)

University of Ottawa : **May 2023 – Aug 2023**

• **Processed and optimized educational content** for digital platforms using Python scripting and web technologies

• **Implemented data cleaning and formatting solutions** using HTML, CSS, and JavaScript for improved accessibility

• **Organized and structured large datasets** of educational materials for enhanced searchability and usability

ADDITIONAL EXPERIENCE

Academic Tutor : Succès Scolaire (Mar 2023 – Jan 2025)

Youth Volunteer Tutor : Toronto Ouest High School (2021)

Sales Associate H&M : Ottawa (summer 2025)

STRENGTHS & QUALITIES

• **Analytical Problem-Solving:** Demonstrated ability to break down complex technical challenges and develop systematic solutions

• **Data-Driven Approach:** Experience with database optimization, data processing, and performance analysis

• **Collaborative Leadership:** Successfully led technical teams and mentored peers in academic and professional settings

• **Adaptability:** Proven track record of quickly mastering new technologies and methodologies

• **Research Orientation:** Strong foundation in systematic investigation and documentation practices