Ivor Wynne

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Highlight of Qualifications

- Third-year Honours Computer Science co-op student at McMaster University, seeking a 4–16 month co-op beginning May 2026 with a strong academic foundation in natural language processing and databases.
- Hands-on DevOps and cloud experience through internships at TD Bank and Rakuten, utilizing tools like Azure, Jenkins, Docker, and Terraform to improve deployment speed and infrastructure reliability.
- Proficient in machine learning model development with practical applications in NLP and computer vision, showcased in academic projects and hackathons using PyTorch, Hugging Face, OpenCV, and TensorFlow
- Well-rounded technical and leadership skillset, combining a deep programming toolkit (Python, Java, C++) with collaborative project work, cross-functional teamwork, and student leadership roles
- Career interests include DevOps Engineering, machine learning or cloud infrastructure opportunities

Education

Bachelor of Applied Science Co-op (BASc) | Honours Computer Science   **2022 – 2028**
McMaster University, Hamilton ON (GPA 3.6/4)
<u>**Relevant coursework:**</u>
- **Natural Language Processing:** LLMs, text classification, sequence labeling, vector semantics
- **Databases:** SQL, integrity constraints, relational algebra, transactions, concurrency control

Work Experience

DevOps Engineer Intern   **May – Aug 2024**
TD Bank, Toronto ON
Tools Used: <u>Python, Java, shell scripting, Groovy, Docker, Azure, GitHub, Jenkins, Terraform</u>
- Developed and managed DevOps tools for Azure public cloud services, including GitHub, Jenkins, and Terraform, leading long-term projects that improved deployment efficiency by 25%
- Wrote and maintained code in Python, Java, shell scripts, and Groovy, setting up development environments using Docker to ensure robust and scalable solutions
- Engaged with cloud security tools and policies, gaining exposure to technologies such as Salt, DNS, Redhat Satellite, and Datadog, and reviewing and assessing new technologies for internal tools
- Enhanced knowledge of TD services, applications, and infrastructure by building and maintaining complex systems over time to ensure reliability and performance, while mentoring new interns and collaborating on continuous improvement initiatives
- Assisted in directing different long-term projects, showcasing project management ability and organizational prowess

QA Engineer Intern   **May – Aug 2023**
Rakuten, Toronto ON
Tools Used: **<u>Java, Python, Selenium, JUnit, Jira, Jenkins</u>**
- Tested software to uncover bugs before users, ensuring every feature is polished, functional, and user-friendly, using tools like Selenium and JUnit, resulting in a 30% reduction in user-reported issues

- Collaborated with developers to squash bugs and improve code quality, thinking creatively to find unexpected failures, utilizing Git for version control, which improved code stability by 25%
- Logged detailed, reproducible bug reports in Jira, leading to a 40% increase in bug resolution efficiency
- Gained hands-on experience with cutting-edge testing tools, actively participating in delivering high-quality software to users, including exposure to CI/CD pipelines with Jenkins, contributing to a 20% faster deployment cycle

Projects

Bias Detection in News Headlines Using ML   **Mar – Apr 2026**
Natural Language Processing Course Project
Tools Used: <u>Python, PyTorch, scikit-learn, pandas, seaborn, BeautifulSoup, Requests, Prodi.gy, Hugging Face</u>

- Designed a text classification task to detect political bias in 1,200+ unlabeled news headlines sourced from diverse media outlets using Python and web scraping tools (BeautifulSoup, Requests)
- Developed a detailed annotation schema to label headlines as left-leaning, right-leaning, or neutral, achieving 88% inter-annotator agreement using Prodigy and Google Sheets for collaborative labeling
- Annotated 600+ headlines from other teams to support cross-validation and ensure consistent labels
- Conducted exploratory data analysis with pandas and seaborn; implemented baseline models including fine-tuned BERT using scikit-learn, Hugging Face Transformers, and PyTorch

AI-Powered Camera App   **Jan – Feb 2025**
DeltaHacks Hackathon, McMaster University
Tools Used: <u>JavaScript, Python, Gemini API, React Native, Expo Go, OpenCV, TensorFlow, Twilio</u>

- Developed an AI-powered camera app using the Gemini API to deliver real-time vision assistance to users with visual impairments, optimizing performance to reduce processing time by 25%.
- Implemented image recognition and processing features with OpenCV, enabling the app to identify objects and text
- Collaborated with team members to integrate various technologies, highlighting project management, communication, critical-thinking and collaboration skills

Extracurricular Activities

VP Events   **Jan – April 2025**
McMaster Mathstonauts Club

- Spearheaded logistical planning and execution of STEM-focused workshops and speaker events, boosting member engagement and community participation.
- Oversaw end-to-end coordination of club operations and outreach initiatives, strengthening partnerships with local organizations and enhancing the club's educational impact.

Skills

Programming Languages: Python, HTML/CSS/JavaScript, Java, C/C++ Groovy, Shell, Perl, Haskell, MATLAB

Libraries & Frameworks: Pandas, NumPy, Seaborn, Expo Go, React.js/React Native, Node.js, Bootstrap, Flask, MongoDB, OpenCV, PyTorch, Scikit-learn, Hugging Face, JUnit

Software Tools: Git/GitHub, Prodigy, AWS, Azure, Twilio, Jenkins, Jira, Firebase, WordPress, Terraform, Kubernetes, Docker, Selenium, Linux/Unix, MS Office Suite, GSuite Applications