

Zilin Ye

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Education

University of Waterloo

Bachelor of Applied Science – Biomedical Engineering

Certifications: Azure AI Fundamentals (AI-900), Azure Fundamentals (AZ-900)

May 2027

Waterloo, ON

Work Experience

Kenvue via CreoSpark Consulting

AI & Automation Analyst

Toronto, ON

May 2026 – Present

- Built a Python-based Amazon product scraper using pure HTTP and BeautifulSoup to extract UPC/GTIN and dimensions at scale for Nielsen retail reporting, eliminating manual data entry across 5,000+ SKUs.
- Integrated Azure OpenAI via LangChain to extract product dimensions and implemented a deterministic confidence-scoring system with brand-match validation, achieving 98% reliability.
- Deployed automation to Robocorp Control Room and Sema4.ai with robot.yaml and conda.yaml for scheduled, unattended execution; tracked SKU state via JSON and Excel I/O.
- Built Power BI dashboards across multi-source retail datasets; validated KPI logic and reconciled discrepancies to ensure reporting accuracy.

CreoSpark Consulting

Technology Consultant

Toronto, ON

May 2025 – Aug 2025; Jan 2026 – Apr 2026

- Performed end-to-end defect validation on client deployments; tested workflows, permissions, and data integrity before production release while tracking findings to closure.
- Architected a CRM application on Dynamics 365 and Power Apps; validated flows against acceptance criteria, reducing manual steps by 40%.
- Developed Power BI dashboards with cross-source data queries and validated KPI calculations, reducing weekly reporting overhead by approximately 4–6 hours.
- Delivered live client training and quick-reference documentation to drive adoption of new tooling.

Microsoft

Solution Developer

Toronto, ON

May 2023 – Aug 2023

- Shipped 10+ features in an agile environment with two-week sprints; authored user stories and acceptance criteria to keep feature scope aligned with business requirements.
- Leveraged Azure AI to design a medical assistant solution; defined data inputs, user interactions, and workflow automation while communicating feasibility to executive stakeholders.
- Collaborated with IT specialists across teams to align technical requirements with project objectives.

Projects

Amazon Product Intelligence Pipeline

Python, Azure OpenAI, LangChain, BeautifulSoup, Robocorp, Sema4.ai

- Designed an end-to-end pipeline for HTTP scraping, LLM extraction, confidence-scored validation, and Excel output; implemented brand-match gating to catch LLM errors before reporting.
- Deployed the pipeline to Robocorp Control Room with environment isolation through conda.yaml for fully scheduled, unattended execution across 3,000+ SKUs.

Clinical Document Template Automation

Node.js, docx npm, AdvancedMD EHR, MERGEFIELD Mail Merge

- Built new patient and follow-up visit templates with MERGEFIELD codes for AdvancedMD EHR integration; validated field mapping and merge output across patient record types.
- Designed a two-column clinical layout in DXA units and validated schema alignment between template fields and the EHR data model.

Technical Skills

- **Languages:** Python, JavaScript, C++, SQL, HTML/CSS, Java
- **Testing & Automation:** API testing & validation, workflow defect tracking, data integrity testing, test plan design, regression analysis
- **AI / ML:** Azure OpenAI via LangChain, prompt & context engineering, LLM extraction pipelines, agent orchestration, confidence scoring
- **Data & Reporting:** Power BI, Excel automation, multi-source data reconciliation, Nielsen retail reporting
- **Platforms & Tools:** Node.js, Power Apps/Automate, Dynamics 365, Dataverse, Azure Cloud, SharePoint, BeautifulSoup, REST APIs, Django
- **DevOps & Automation:** GitHub, Robocorp Control Room, Sema4.ai, Docker, Kubernetes