

Ammar Alzureiqi

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EDUCATION

University of Illinois Urbana-Champaign

Master's of Science in Computer Science — GPA: 4.0

Champaign, IL

May 2023 – Dec. 2024

Western University

Honor's Bachelor's of Science in Statistics — GPA: 3.9

London, ON

Sep. 2017 – Apr. 2021

TECHNICAL SKILLS

Languages: Python, R, Java, JavaScript, HTML/CSS, and SQL

Tools and Technologies: Flask, Django, AWS, OpenCV, React.js, Git, PyTorch, Sci-Kit Learn, Matplotlib, TensorFlow, Keras, NumPy, Pandas, SciPy, Power BI, MySQL, MongoDB, PostgreSQL, DynamoDB, Docker

EXPERIENCE

Software Engineer

SinaAI Scribe

May 2024 – Present

Toronto, Ontario

- Developed a medical AI audio chatbot platform integrating patient data from electronic medical records (EMR) systems, offering real-time diagnostics and consultation through voice interaction.
- Built an AI-driven interface with RAG and fine-tuned LLAMA 3.1 70B, achieving model accuracy comparable to leading models while reducing Customer Acquisition Cost (CAC) by 25%.
- Engineered a scalable ETL pipeline with Apache Spark, Kafka, and Airflow, boosting data processing speed by 40% through efficient API-based ingestion and optimized PostgreSQL indexing.

Software Developer Intern

MK Bookkeeping and Tax Services

Jan. 2023 – Aug. 2023

London, ON

- Developed and deployed a full-stack employee time-tracking application with Flask, PostgreSQL, and AWS, implementing robust API endpoints and data validation, resulting in a 40% reduction in payroll processing time.
- Engineered an automated invoice processing system utilizing OCR and data extraction techniques, streamlining information input into the company's bookkeeping system and significantly reducing manual data entry errors.
- Automated payroll reporting system using Python and openpyxl, streamlining weekly financial processes, reducing report generation time and showcasing the ability to automate complex business processes.

Software Developer Intern

Western University, Schulich School of Medicine

Apr. 2019 – Aug. 2019

London, ON

- Led the development of a scalable, template-based course website system, revolutionizing the online learning experience for medical students while reducing course setup time by 80%.
- Developed an automated solution using Python and NLP libraries to generate accurate closed captions for lecture videos, ensuring AODA compliance and improving accessibility for students with diverse learning needs.
- Engineered an AI-powered chatbot using natural language processing to handle student inquiries about courses, schedules, and administrative processes, reducing support staff workload by 40% and improving response times.

PROJECTS

Hirestack | Python, Django, Selenium, Next.js, Tailwind, AWS, DynamoDB

Live Demo: Hirestack

- Developed a real-time job aggregation platform for IT professionals, processing listings from LinkedIn, Indeed, Monster and Glassdoor, demonstrating strong data integration and processing skills while improving job search efficiency for tech professionals.
- Implemented advanced features such as smart tagging, salary comparisons, and custom alerts, showcasing ability to deliver high-value, user-centric solutions that provide actionable insights for job seekers.
- Designed and deployed a scalable, full-stack web application with real-time data processing capabilities, highlighting proficiency in modern web development practices and cloud-based architectures.

Head Count | Python, OpenCV, FastAPI, Streamlit, Docker

Github: Head Count

- Developed an IoT-based People Counter application using Raspberry Pi, leveraging computer vision (OpenCV, PyTorch) for accurate real-time customer detection and tracking in retail environments.
- Designed and implemented a scalable backend infrastructure using FastAPI, WebSockets, and Uvicorn, enabling instant data processing and visualization for actionable retail store optimization insights.