

# Marc Crasto

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## EDUCATION

### University of Western Ontario

Anticipated May 2026

*Bachelor of Science*

London, ON

- **GPA: 3.5/4.0;** Dean's Honor List (2022; 2025)
- Honors Specialization in Computer Science
- Relevant Coursework: Introduction to Machine Learning, Artificial Intelligence I & II, Databases I, Unstructured Data (JSON, LLMs)

## RELEVANT EXPERIENCE

### Western Cyber Society

Sep. 2025 – Apr. 2026

Student-led cybersecurity and AI organization

*Machine Learning Developer*

London, ON

- Developing a Convolutional Neural Network aimed at detecting skin cancer from medical images
  - **Tech Stack:** Python, PyTorch, Torchvision (EfficientNetV2-S), Scikit-learn, Optuna, NumPy, Pandas, PIL
- Identified and used the cleaned Fitzpatrick dataset, reducing data redundancy and ensuring the model's reduced bias across skin tones

### Western Developers' Society

Sep. 2024 – Apr. 2026

Student-led software development organization at Western University

*Machine Learning Developer | Sep. 2025 – Apr. 2026*

London, ON

- Developing a Vision-Language Model that integrates images and text to identify inappropriate content in 3D printing
  - **Tech Stack:** Python (Scrapy, BeautifulSoup, Selenium), Vision-Language Models (VLMs)
- Researched VLM architectures to inform training strategy and multimodal fusion design; presenting the project at CUCAI 2026

*Machine Learning Developer | Sep. 2024 – Apr. 2025*

London, ON

- Collaborated with a SCRUM team of seven to develop a bidirectional LSTM for predicting bus arrival times in London, Ontario
  - **Tech Stack:** Python, PyTorch, NumPy, Pandas, RESTful APIs, Slack
- Reduced predicted vs. actual arrival time discrepancies by 17% compared to Google Maps by integrating real-world weather data into transit schedules

### DataAnnotation

Jun. 2023 – Dec. 2024

AI-training platform that hires remote contractors to train AI models by testing chatbots

*AI Chatbot Evaluator*

London, ON

- Conducted detail-oriented evaluations of AI chatbot responses to ensure high accuracy and reliability
- Performed this role for 19 months alongside full-time studies, consistently meeting professional and academic deadlines

### Western AI

Sep. 2023 – Apr. 2024

Student-led AI organization

*Full-Stack Developer*

London, ON

- Developed and live-demoed a financial forecasting web application at CUCAI 2024
  - **Tech Stack:** HTML, CSS, Python Flask, Git
- Adapted swiftly to team changes by managing both frontend and backend tasks, learning full-stack development in 2 weeks, and completing a pivot from an AI poker player app to a financial forecasting app in 1 month during exams

## VOLUNTEER EXPERIENCE

### Charity Chords UWO

Sep. 2022 – May 2023

*Member & Performer (Drummer)*

London, ON

- Performed as a drummer at community events, collaborating with bandmates to rehearse and prepare for live performances

### Christ Junior College Residential

May 2019 – Mar. 2020

*Student Editor*

Bangalore, Karnataka

- Assigned students to cover school events for publication in the school magazine, ensuring timely and complete submissions
- Compiled and consolidated finalized articles, maintaining structured file organization for submission to the printing team

### Shalom Children's Home

Aug. 2019 – Sep. 2019

*Volunteer*

Bangalore, Karnataka

- Volunteered in an orphanage, supporting meal service, activities, and daily routines with reliability and professionalism
- Engaged with children through singing, drawing, and supervised activities, applying strong interpersonal skills

## CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** [Scientific Computing with Python](#); [Data Analysis with Python](#); [Relational Database \(SQL\)](#)
- **Skills:** Multitasking; Adaptability; Time Management; Critical Thinking; Analytical; Problem Solving; Team Collaboration; Communication; Data Analysis; Project Management; Leadership
- **Interests:** 70s and 80s Rock; Guitar (Intermediate); Vocals (Tenor at Dream in Progress Productions); Soccer (FC Barcelona); Gym