Waleed Shammarez

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EDUCATION

University of Toronto Toronto, ON

Bachelor of Science — Computer Science & Mathematics

Relevant Coursework: Introduction to Machine Learning, Linear Algebra, Statistics & Probability, Software Design, Computer Organization, Calculus III

EXPERIENCE

Workbay Windsor, ON

Founder & Developer *Apr 2026 – Present*

- Founded and built a software company providing automated booking and business-management tools for small businesses; onboarded 4 clients through direct outreach
- Built and deployed a customer-facing website with an AI assistant that answers business questions and handles bookings end-to-end, saving clients an estimated 30+ hours of manual booking administration
- Developed and launched a native mobile app for business owners with real-time orders/appointments, scheduling, and employee clock-in/out workflows
- Architected the backend and database layer, implementing authentication, API routing, and data flow across the AI assistant, booking engine, and mobile application

Ditto AI Remote

UGC Content Creator & Growth Marketer *2024 – 2025*

- Produced UGC campaigns for a venture-backed AI dating platform with 120,000+ users and $9.2M in seed funding
- Drove organic user acquisition through platform-native content strategies targeting Gen Z college audiences across social channels
- Collaborated with the product team and iterated on content using performance data to improve reach, activation, and conversion

Electronics Repair & Resale Windsor, ON

Self-Employed *2023 – 2025*

- Sourced, diagnosed, repaired, and resold 10+ smartphones, managing the full process from parts procurement through resale

TECHNICAL PROJECTS

PowerVision AI-Based Steering Command 2026 – Present

- Trained a computer vision model to detect left, right, straight, and stop steering commands from camera images for robot navigation
- Built an imitation-learning pipeline and compared model predictions against human judgments, an edge/line-centroid heuristic, and a vision-language model using the same navigation images
- Collected and labeled navigation images to create a supervised dataset, with evaluation focused on real-world lighting, viewpoint, and path variation

AI Website Assistant 2026

- Built and deployed AI chatbots for client websites through API integration, using custom business data and prompt engineering for context-aware responses
- Developed backend infrastructure for real-time communication between chatbots and client websites

Canadian Income Tax Calculator — iOS App 2026

- Built a SwiftUI iOS app calculating Canadian marginal tax across federal brackets with income-optimization suggestions
- Applied clean architecture, responsive state management, and structured data flow

Student Grouping Optimization System 2025

- Designed a configurable assignment algorithm using probabilistic and constraint-based logic to form student teams from survey criteria

TECHNICAL SKILLS

Languages: Python, Swift, Java, JavaScript, SQL
AI/ML: Computer Vision, CNNs, Imitation Learning, Supervised Learning, LLM/VLM Integration, Prompt Engineering
Frameworks & Tools: Node.js, SwiftUI, Git, Xcode
Development: Backend Development, Database Design, iOS Development, Algorithm Design