

BEN MACKLIN

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Aspiring computer engineer passionate about building real-world AI tools, with an interest in technology and a passion for entrepreneurship.

EDUCATION

Stephen J. R. Smith Faculty of Engineering and Applied Science at Queen's University

Kingston, ON

Bachelor's Degree, Computer Engineering

Class of 2027

- **Relevant Coursework:** Introduction to Data Science (A+), Electric Circuits (A), OOP Programming (A+), Electronics (A).
- **Certifications:** Supervised Machine Learning: Regression and Classification (DeepLearning.ai, taught by Andrew Ng) ----- explored supervised learning, linear regression, cost minimization, gradient descent, and model evaluation techniques (~33 Hours of Material)

RELEVANT WORK EXPERIENCE

Awz Ventures Inc.

Tel Aviv, IS

Venture Technology Analyst.

June 2025 – August 2025

- Developed and deployed a locally hosted RAG-based AI workflow that automated investment-memo generation, reducing partner prep time by ~80% and standardizing diligence output across portfolio reviews. Collaborated directly with seed-stage founders to refine product narratives and go-to-market strategy, gaining hands-on exposure to startup operations and early-stage venture processes.
- Led deep-dive market and competitive intelligence analyses on emerging dual-use, cybersecurity, and deep-tech startups to inform partner investment theses and pipeline prioritization, contributing to data-backed sourcing decisions across \$500M+ in assets under management.

Queen's Robotics Team

Kingston, ON

Electric Team Member

Sep 2024 – Present

- Helped design and test custom PCBs, including a DC-DC buck-boost converter for stable power delivery. Supported system integration and troubleshooting in a fast-paced, team-based competition setting.

North American Produce Buyers LTD (The Fruit Cart)

Toronto, ON

Growth & Outreach Lead

May 2024 – July 2024

- Led outreach strategy and managed CRM to support business development. Helped drive new customer acquisition through targeted communications and operational coordination.
- Launched a residential acquisition campaign that onboarded 20+ new household customers, strengthening The Fruit Cart's direct-to-consumer presence across the GTA.

HIGHLIGHTED PROJECTS

Reception – AI Powered Phone Receptionist

May 2025

- Built an AI phone receptionist using n8n, Vapi, and Supabase to automate bookings, reminders, and customer onboarding through natural voice interaction.
- Designed an onboarding site with a calendar view, appointment history, and CRM database access; led outreach to local businesses to drive adoption and streamline integration.

Case AI – Case Interview Prep AI Tool

Apr 2025

- Built an AI case interview software and launched on CaseAI.ca helping 1000s of users practice their consulting case skills.
- Led outreach to university consulting clubs and student communities to drive adoption and collect feedback for iterative improvements.

Open CV Robotic Hand

Mar 2025

- Built a fully functional robotic hand using open-source model, integrating OpenCV and MediaPipe for hand tracking.
- Designed power systems including PSUs and PDBs, applying theoretical engineering concepts into real-world debugging and control.

VOLUNTEERING EXPERIENCE

Toronto Global Forum

Oct 2025

- Selected from 65 applicants as one of a small team of volunteers for Canada's premier international economic conference (1,500+ attendees and 120+ global leaders) to support delegate relations for keynotes (CEOs, heads of state, finance ministers)

ADDITIONAL INFORMATION

- **Skills:** CRM & Outreach Strategy · Workflow Automation (n8n) · Machine Learning · Computer Vision · Python · C · PCB Design · Electrical Troubleshooting · Product Design · Customer Acquisition · Project Management · Social Media Advertising
- **Interests:** AI-Driven Product Development, Robotics, Entrepreneurship, Community-Focused Tech Outreach, Real-World Problem Solving, and Building Scalable Tools