EVAN FERREIRA

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EDUCATION

Bachelor of Computing and Commerce, Queen's University, Kingston, ON, Canada　　　　　　**2022 – 2026**
- Computer Science Major GPA: 4.30/4.30 – Dean's List with Distinction (top 10% in program)

SKILLS

- **Programming Language**s: Python, Java, TypeScript, JavaScript, SQL, C, C++, HTML, CSS
- **Technologies**: TensorFlow, OpenCV, React, Next.js, Node.js, Express.js, MongoDB, MySQL, Expo, React Native, Figma, Linux

PROFESSIONAL EXPERIENCE

Computer Vision Research Intern, Queen's University, Kingston, ON　　　　　　**2024 – Present**
- Led research efforts to develop an algorithm capable of real-time classification of TV content and commercial breaks
- Improved computer vision model **accuracy from 57% to 98%** utilizing **finetuning and transfer learning** techniques with **MobileNet V2 architecture**
- Built and optimized 15+ datasets with **100,000+ records** each, ensuring research was underscored by high-quality data

Co-Founder and Lead Software Engineer, Local Reach, Toronto, ON　　　　　　**2023 – 2024**
- Directed product development to create compelling demos, securing **$60,000+ in non-dilutive funding** in pitch competitions
- Designed testing framework to optimize device performance, driving **MRR from $80 to $2,000+ (2,500%+ increase)**
- Improved software and hardware interoperability, resulting in an acquisition by AdAura, a digital advertising agency

PROJECTS

Personal website for more info: evanferreira.com
Stumble | *React, Express.js, Node.js, TypeScript, MongoDB, OpenAI API, Eleven Labs API*
- Built **full-stack solution** providing realistic, AI-driven conversations tailored to the user's romantically interested gender
- Created engaging interface with **React.js**, integrating **OpenAI** and **Eleven Labs APIs** to deliver lifelike conversations

Monkey Music | *Expo, Express.js, Node.js, TypeScript, Spotify API, YouTube Data v3 API, YouTubeToMP3 API*
- Developed a mobile app enabling users to download Spotify playlists for free, resulting in **10,000+ songs downloaded**
- Built **full-stack solution** using **Expo, Node.js, & Express.js**, integrating **over 3 APIs** to transfer and convert playlists

Local Reach | *TensorFlow, OpenCV, Python, Raspberry Pi, Linux*
- Deployed devices in **5+ restaurants/bars** that recognizes TV commercials and switch to different ads during these intervals
- Leveraged **TensorFlow and OpenCV** to detect ad heuristics (**96%+ accuracy**), employing Raspberry Pi's to run program and IR transmitters to switch video input

EXTRACURRICULAR EXPERIENCE

Executive Director, inQUbate, Queen's University, Kingston, ON　　　　　　**2024 – Present**
- Directed a student-led AI incubator backed by Amazon Web Services (AWS), growing **membership by 250%+ (45+ members)**
- Established partnerships worth **$50,000+ with AWS**, Shopify, WealthSimple, Ripple Ventures, and AutoDesk
- Coordinated high-profile speaker engagements, including Rod Boothby, **Co-Founder of NPM** (Node Package Manager)

Varsity Wrestling Team Member, Queen's University, Kingston, ON　　　　　　**2022 – Present**
- **Ranked 3rd in Canada** at the 72kg weight division by Wrestling Canada and USports (2023-2024)
- Balanced a full course load **while dedicating 20+ hours per week** to training, lifting, and analyzing matches

Hackathon Wins: Mayor's Innovation Challenge (2024) – 1st Overall, HawkHacks (2024) – 3rd in NEAR , HackTheHill – 2nd in UI/UX