

Yair Korok

🌐 yair.ca | 📄 github.com/yair-k | 🚀 devpost.com | 📞 647-621-0645 | ✉️ yairkorok9@gmail.com

TECHNICAL SKILLS

Languages: Java, C/C++, C#, Python, GoLang, JavaScript, HTML/CSS, Assembly, COBOL

Frameworks: React, Next.JS, Node.JS, Express, Flask, JQuery, RestAPI, Tailwind, Bootstrap, Three.js, Typescript

Developer Tools: Git, Linux, Docker, Figma, Excel, MongoDB, AWS, Google Cloud, Azure, PostgreSQL/MySQL

Libraries: pandas, NumPy, Matplotlib, Keras, OpenCV, Jupyter, Tensorflow, PyTorch

Soft Skills: Communication Skills, Leadership, Team-Player, Motivated, Troubleshooting, Problem-Solving,

Decision-making, Attention to Detail

Other: Photoshop, Video-Editing, Graphic Design, Football

EXPERIENCE

Software Engineer | *Canaccord Genuity Inc.*

2024 — Current | Toronto, Remote

- **Developed and Designed** a Full-stack Web Application for a **\$100 billion** Company using **Typescript, Next.js** and **GSAP** to create attractive animations.
- **Optimized** front end applications to achieve **300%** memory/cache **speed efficiency** on average, using **code splitting, lazy loading, and caching strategies.**
- **Led** a team of 5 to conduct market research and web optimization to ensure **cross-compatibility** across **Chrome, Firefox, Safari, and Edge** as well as devices including **iOS, Android, and Windows.**
- **Initiated** a **data-driven personalization strategy** that contributed to a **14%** increase in revenue, totaling over **\$1.4 billion** annually, by leveraging AI-driven recommendations and A/B testing.
- **Implemented** a microservices-based architecture reducing deployment times by over **50%**, enabling their platform to auto-scale and handle a **200%** increase in user traffic, while maintaining a **99.9%** uptime, using **Docker** and **Kubernetes.**

Web Agency Founder/Developer 📄 | *Tronic Web Agency*

2023 — Present | Vaughan, ON

- **Founded** a **6 Figure** Web development business that attracts over **35k monthly viewers** and does **28k+** of sales.
- **Partnered** with several major businesses, **brands, and personas** to promote their services, most notably, **\$CRASH** on base, a **900 Million** dollar Ethereum coin that does **one billion dollars** in circulation, **Teaforguys**, an online ecommerce store totaling over **30k monthly in sales**, **Smarter.loans**, a grant directory company used by over **15k Canadian businesses monthly.**
- **Fashioned** a plethora of stunning, **Award Winning Website Designs**, from **Awwwards** and **CSS Design Awards.**

Full-Stack Engineer 📄 | *4EverForest Non-Profit*

2024 | Santa Cruz, Bolivia, Remote

- **Self-implemented** a landing page that attracts **\$50k** worth of international donations, along with payment processing and portal access, using **GSAP, Framer Motion, and Next.js.**
- **Drove** their social media following to **25k followers** and **4 Million views** across multiple social media channels.

Social Media App Developer 📄 | *TSSClub.xyz*

2022 — 2023 | Thornhill, ON

- **Unified** a social media app for teachers/students, achieving **600 logins** in under **48 hours** of launch across **40+ schools.**
- **Engineered** a strong encryption software compatible with school logins using **Sanity backend** and **SQLite.**
- **Designed** a **visually captivating front-end** similar to **Pinterest**, incorporating an **addictive liking system** for students and an **announcement system** for teachers, utilizing **React.js, TailwindCSS, and Redux** for state management.
- Managed the **Data Analytics** of the platform to leverage its use case towards the correct audience using **Google Analytics** for analysis and **Sanity database** for **Automated Analysis.**
- **Optimized** the mobile webapp with **React Native** to create a responsive playform supported on both **IOS** and **Android.**

PROJECTS

WealthCare 📄 | *HackTheNorth 2023 Submission* | *TypeScript, Next.js, GPT-4, AI, Data Visualization*

- **Developed** a personal financial assistant offering **AI-driven insights** and **predictive savings**, empowering users to make **smart financial decisions.**
- Utilized **GPT-4** to transform complex financial data into **interactive conversations**, providing **actionable insights** and recommendations.
- Implemented **data visualization** to **illustrate spending patterns**, enhancing understanding of **financial health** through engaging visuals, and an interactive **chat** interface.

Project Bergster 📄 | *Winner of Google Student Developer Hackathon @ UofGuelph* | *Next.js, AWS, Tensorflow, ML*

- **Created** a cognitive training, emotional detection robot operating using **Computer Vision** utilizing **Python, Tensorflow & FaceAPI.js.**
- **Ensured** offline functionality upheld **100% data privacy** and significantly reduced dependency on traditional therapy sessions, leading to a significant **decrease** in therapy-related costs for **educational institutions.**
- **Scaled and Implemented** Bergster as a research tool, now used by **30+ students** at my school.

Hello World! 📄 | *1st Place Winner @ UofT Schools BluesHacks* | *Python, OpenCV, Mediapipe, Pyinput, Machine Learning*

- **Engineered** a **full-stack web application** that facilitates **real-time translation** of **sign language** to text/audio and vice versa using **dynamic, animated outputs.**
- **Achieved** a remarkable **97.2% accuracy rate** in translating ASL to spoken English, processing **1.2 million frames** with an average response time of **0.7 seconds** per frame, utilizing **TensorFlow, OpenPose, and Mediapipe.**
- **Deployed** an open-source, **cross-platform mobile web app**, enhancing accessibility with **real-time transcription**, resulting in a **42% improvement** in communication efficiency for hearing-impaired users.

EDUCATION

McMaster University
BEng. Bachelor of Engineering

Hamilton, ON