PAYAM FAKOORZIBA

Full Stack Developer

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EDUCATION

University of Toronto, St. George   *September 2019 - April 2023*
Faculty of Science   GPA: 3.57/4.0
Mathematics and Computer Science Double Major

Relevant coursework: Software Design (CSC207), Data Structures and Analysis (CSC263), Introduction to Machine Learning (CSC311), Neural Networks and Deep Learning (CSC413), Foundations of Real Analysis (MAT357), Algebra II (MAT247), Probability and Statistics II (STA261)

WORK EXPERIENCE

Co-Founder and Lead Developer, Aether Industries Inc.   *April 2024 – Present*
Co-founded Aether Web Design, a web design and development agency in Toronto specializing in high-performance, trust-building, and conversion-optimized websites. Latest projects:

- Navid Best Group Inc. (Under development: navid-best-group.vercel.app)
  Building a modern, aesthetically pleasing website for Navid Best Group, a home remodelling and renovation company. The website features a fast, high-performance gallery page with server-side filtering, pagination, and layout selector. Built with React, Typescript, Next.js, TailwindCSS, Framer Motion, Three.js, Sanity.

- Bayview Glen Dental Inc. (bayviewglendental.com)
  Designed and developed a brand new website for Bayview Glen Dental Office, a prominent dental facility located in Richmond Hill. The website features a booking system that increased online bookings by more than 50% in its first month after launching. Built with React, Typescript, Next.js, TailwindCSS, Framer Motion.

- Doer (doerteam.ca)
  Doer is a real-time home service delivery app, where people can earn money by providing home services such as dog walking and lawn mowing. I designed and developed a landing page for the app, featuring an AI chatbot for submitting tickets and internationalization. Built with React, Typescript, Next.js, TailwindCSS, Vercel AI SDK.

Freelance Web Developer   *September 2023 – March 2024*
Delivered high-quality web applications and websites to clients as a freelance web developer. Worked closely with clients to understand their requirements and bring their vision to life. Featured projects:

- Ship4x6 (ship4x6.com)
  Built an e-commerce storefront website with an admin dashboard for Ship4x6, a Canadian shipping label company. The admin dashboard allows the admin to manage products, collections, orders, and customers. The storefront is a beautifully designed website with product sorting and filtering, cart functionality, Place Autocomplete API, and payment processing. Built with React, Typescript, Next.js 14, TailwindCSS, Prisma, PostgreSQL, Turborepo.

- RastaCan Immigration Services Inc.
  Built a web application for managing clients and their immigration cases, invoice generation, form submissions, and client workflows. Built with React, Typescript, Next.js 14, TailwindCSS, PostgreSQL.

- <u>Vendetta Games</u>
  Designed and built the website for Vendetta Games, a cryptocurrency ecosystem with various play-to-earn games, native token, and NFTs. Built with React, Typescript, Next.js 12, TailwindCSS, Firebase.

RESEARCH EXPERIENCE

Co-creator of the Novel iRTDQN Algorithm for Trading in the Financial Markets *February 2022 – April 2022*
Devised an improvement to the Trading Deep Q-Network algorithm (TDQN), proposed by Thibaut Th´eate and Damien Ernst, using imitation learning. When tested on historical financial data, the resulting algorithm, called the imitative Recurrent Trading Deep Q-Network (iRTDQN), outperformed the original TDQN algorithm.

TECHNOLOGIES

Programming Languages
JavaScript/TypeScript, HTML, CSS, Python, Java

Frameworks/Libraries
React, Next.js, TailwindCSS, Vue.js, Express.js, Three.js, PyTorch, Numpy