Ziad Elnagar

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TECHNICAL SKILLS

Languages: React, TypeScript, Java, Python, JavaScript, C#, HTML, CSS
Frameworks & Tools: React.js, Django, Flask, MongoDB, Unity, Git
Concepts: Object-Oriented Design, Data Structures & Algorithms, Software Design Patterns, REST APIs
Soft Skills: Problem Solving, Leadership, Communication, Collaboration, Critical Thinking

EDUCATION

University of Western Ontario   **London, Ontario**
BESc, Software Engineering   *Expected Graduation, May 2028*
- o   Related Coursework: Algorithms & Data Structures, Software Design, Digital Logic Systems
- o   Awards: Scholarship of Distinction ($2,500)

PROJECTS

Western Formula Website | React
- **Developed** the public-facing website for Western Formula Racing, using React.js and modular components, resulting in a modern, **responsive platform** to represent the team's identity
- **Implemented** a clean and **mobile-friendly layout**, using CSS flexbox/grid and media queries, resulting in seamless access across all devices and browsers
- **Integrated** dynamic content sections for team bios, sponsorship highlights, and event updates, using reusable **React components** and routing, **resulting in** increased site engagement and simplified content management

Citadel Break | Unity, C#
- **Designed** a 3D puzzle-adventure game with player progression, item collection, and interactive mechanics, **using Unity** and **C# scripting**, **resulting** in a fully playable demo with strong game logic architecture
- **Implemented** an inventory system, pickup interactions, and tool usage logic, **using Unity's physics** and trigger systems, **resulting in** immersive gameplay and responsive controls
- **Created** custom UI elements (health bar, tooltip pop-ups, level objectives), **using Unity's UI toolkit**, **resulting in** enhanced user experience and in-game clarity

Personal Portfolio Website | HTML, CSS, JS
- **Built** a personal portfolio website from scratch, using HTML, CSS, and vanilla JavaScript, resulting in a polished platform to showcase projects, experience, and skills to recruiters
- **Applied responsive design principles**, **using** mobile-first layouts and CSS media queries, resulting in a seamless browsing experience across all devices

WORK EXPERIENCE

Mobile Klinik   **Milton, Ontario**
Head Electronics Technician and Sales Manager   *May 2021 – Sep 2023*
- **Handled** daily transactions and technological repairs totaling over $20,000 in monthly revenue.
- Improved device intake and repair workflow, reducing average service time by implementing better resource management
- Diagnosed and resolved complex hardware/software issues, streamlining repair turnaround time and enhancing customer satisfaction in a high-volume service environment

LEADERSHIP

Western Founders Network   **London, Ontario**
Director of Education   *Sep 2024 – Current*
- Organized and led multiple hands-on workshops on Python and AI fundamentals, introducing over 100 participants to real-world applications
- Conducted a Python programming workshop, teaching foundational coding skills and exam-focused techniques to enhance participants' academic performance and technical proficiency

Western Formula   **London, Ontario**
Software Developer   *Sep 2024 – Current*
- Collaborated with a team of 15+ engineers to design and build the team's official webpage and tools using React
- Contributed to sprint planning, Git collaboration, and code reviews in an Agile environment