Mahmoud Elashri

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SUMMARY OF SKILLS & QUALIFICATIONS

Operating Systems | Windows 7, 8, 10, 11 • Linux • Android • IOS

Applications | Word • Excel • PowerPoint • Eclipse • Visual Studio • MATLAB • Xilinx Vivado • Unity

Programming | C++ • Java • VHDL • Python • C# • SQL • HTML • CSS • JavaScript

Platforms | Windows 11 • Linux • Xilinx Nexys A7 FPGA

Other | Photoshop • Arduino • Modelsim • Basic DevOps tools (GitLab CI/CD)

Languages | **English** | Fluent • **French** | Beginner (Enrolled in a course) • **Arabic** | Fluent

Licenses & Certifications | Valid driving permit

EDUCATION

Bachelor of Engineering – Computer Engineering Co-op   **2022 – 2027 (Expected)**
Concordia University, Montreal, QC
- Member of the Institute for Co-operative Education
- Relevant Courses: Computer Organization & Software • Data Structure & Algorithm • Programming Methodology 1&2 • Digital Design 1&2

PROJECTS

Hovercraft (Academic)   **In progress**
Concordia University, Montreal, QC
- Designing & programming an autonomous hovercraft to navigate through a maze using sensor-based guidance.
- Developing control algorithms for real-time obstacle detection & pathfinding using ultrasonic & infrared sensors.
- Implementing embedded programming for microcontroller (Arduino) to control hovercraft movement & decision-making.

Portfolio Website (Personal)   **Oct 2024**
Montreal, QC
- Designed and developed a personal portfolio showcasing technical skills, projects, and accomplishments using HTML, CSS, and JavaScript.
- Implemented a responsive design ensuring compatibility across various devices and browsers, highlighting a professional layout and interactive user experience.

Occupancy Monitoring System (Academic)   **Jun 2024**
Concordia University, Montreal, QC
- Developed a digital system using VHDL to monitor room occupancy with a maximum adjustable threshold.
- Designed & simulated the system for implementation on a Xilinx Nexys A7 FPGA board using Xilinx Vivado.
- Utilized electronic design & simulation tools (ModelSim) to analyze the circuit's performance & resource utilization.

Go Game (Academic)   **Oct 2023**
Concordia University, Montreal, QC
- Designed and programmed an 8x8 grid game using C++, adhering to game rules and mechanics for smooth, error-free gameplay, with a 100% success rate in unit testing.
- Demonstrated proficiency in C++ and object-oriented programming by integrating complex game rules, ensuring efficiency and ease of scalability.

Core Competencies: Critical Thinking, Problem Assessment & Analysis, Adaptability, Team Management, Digital Design & FPGA Development, Simulation & Testing, Technical Communication & Documentation, Embedded Systems & Microcontroller Programming

WORK EXPERIENCE

Uber driver   **Dec 2023 – Present**
Uber, Montreal, QC
- Utilizes the Uber app's advanced features to provide efficient route planning, leading recognition as a top-rated driver with a 4.95-star rating across 1000+ trips.
- Leveraged real-time demand insights to increase earnings by 20%, by targeting high-demand areas during peak hours.
- Applied technical skills to enhance customer experience, offering app-based services and troubleshooting minor vehicle tech issues.

Chef   **Dec 2022 – Dec 2023**
Shawarmaz. Montreal, QC
- Verified food quality & improved menu based on the tastes of different customers.

Data Entry   **Jul 2018 – May 2019**
Munif for Customs Clearence, Jeddah, Saudi Arabia
- Streamlined data entry processes, reducing entry errors by 25% and improving operational efficiency.
- Successfully processed over 500 client transactions with 100% accuracy, maintaining adherence to regulatory requirements.

Core Competencies: Data Management & Analysis, Customer Service Excellence, Adaptability & Problem-Solving, Technology Proficiency, Analytical Skills

PROFESSIONAL ASSOCIATIONS

VP Internal   **Jan 2024 – present**
Egyptian Student Association, Montreal, QC

VOLUNTEER WORK

Environmental Advocate   **2019**
Green Future Initiative, Saudi Arabia
- Led recycling drives, increasing campus recycling rates by 30% within the first six months.
- Organized environmental awareness workshops, engaging over 200 students in sustainable practices

Elder Care Volunteer   **2018**
Senior smiles Outreach Program, Saudi Arabia
- Provided companionship and support to elderly individuals, improving their quality of life through community involvement.

INTERESTS

Experience Abroad	Egypt (2017, 2022) • Saudi Arabia (2016-2021)
Reading	Historical books
Sports	Gym • Riding horses • shooting • Football • volleyball
Passions	I own a small collection of niche perfumes, & adore pets, cats in particular