

STEPHEN ORLU

DEVELOPER

EDUCATION

ALGONQUIN COLLEGE, OTTAWA, ON

Advanced Diploma in Computer Engineering Technology (CET), December 2019

- **Relevant Coursework** — Java, C, C++, C#, Data Structures, Object-Oriented Design, Database Management Systems, Assembly Language Programming, Angular, QNX, Arduino, .NET Core, SQL, PHP, JavaScript, HTML/CSS
- **Operating Systems** — Windows 7-11, Windows XP, Linux(Ubuntu), Mac OS
- **Database Management Systems** — PostgreSQL, Microsoft Access, Oracle, MySQL, Microsoft SQL Server
- **Software Tools** — Eclipse, Visual Studio, Git, MySQL Workbench, SQL Server Management Studio, VMWare Workstation, Oracle SQL Developer, XAMPP, WAMP, FileZilla, Microsoft Office 365 (Word, Excel, Outlook)

ACADEMIC PROJECTS

Care Giver/Receiver Web Application - Web Development — May 2019 - Nov 2019

Collaborated with a team of students to design a web application (CareMeda) that allows easy communication between customers and caregivers using **Angular**

- Implemented Facebook **API integration**
- Conducted an analysis of the Ionic app version, including the potential use of font-awesome
- Implemented the framework for user profile
- Designed the look and feel of the user and admin dashboard
- Implemented an added sub-dashboard section
- Assisted with merge conflicts and IDE setup of WebStorm for the team
- Created a **git repository** which was used for version control
- Wrote API tests for Care Types

Solar System - Graphics Development — Sep 2019 - Nov 2019

Using **Unity/OpenGL**, I created a **3d graphical representation** of the Solar System.

- Added multiple objects and components to mimic appearance and behavior of the Solar System
- Created and added texture to the planets using **OpenGL** texture object
- Added a script code (**JavaScript**) to implement rotation for all the elements to mimic rotation and revolution of the ecosystem

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ACADEMIC PROJECTS

Self-driven car — Sep 2019 - Nov 2019

Converted an RC car into a self-driven car using **Arduino Uno**.

- Swapped the front and rear wheels with motorized wheels
- Used ultrasonic **Arduino sensors** to detect obstacles
- Utilized sensor readings for measuring obstacle distance
- Uploaded sketch to **Arduino Uno** using a **data USB cable**

WORK EXPERIENCE

Application Developer

Crank Software

Ottawa, ON — August 2022 - March 2023

Key Responsibilities

- Designed and developed new user interface applications and features using **Storyboard Suit**
- Worked with embedded developers to design and improve the interface layer between the UI and the rest of the system
- Designed and developed reusable UI components
- Analyzed and identified areas for improvement in the codebase
- Conducted design and code reviews
- Participated in Agile methodologies for application development and used JIRA as a project management tool
- Used GIT for version control

Technical Support Analyst

The Ottawa Hospital

Ottawa, ON — June 2022 - August 2022

Key Responsibilities

- First-line technical support through call, email, and remote support tool
- Managed server and network infrastructure; troubleshoot networks
- Solved security related issues surrounding **VPN**, firewalls, and anti-virus
- Managed user accounts and permissions in **Active Directory** and Office 365 (including Microsoft Exchange)
- Installed, configured, and maintained software (operating systems and applications)
- Set up **workstations** and troubleshoot errors in hardware components and connections.



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WORK EXPERIENCE

Web Designer

Mosaic/Invest Ottawa

Ottawa, ON — December 2020 – May 2021

Key Responsibilities

- Conceptualized creative ideas with clients
- Tested and improved the design of websites
- Established design guidelines, standards, and best practices
- Maintained the appearance of websites by enforcing content standards
- Designed visual imagery for websites and ensured that they are in line with the client's branding
- Developed websites using different **content management systems**
- Communicated design ideas using user flows, process flows and site maps, and wireframes
- Incorporated functionalities and features into websites
- Designed sample pages including colors and fonts
- Prepared designs plans and presented websites structures

Front End Supervisor

Real Canadian Super Store

Ottawa, ON — March 2018 - June 2021

Key Responsibilities

- Identified customer inquiries and complaints and made appropriate recommendations for corrective solutions to meet their needs and expectations
- Executed all store activities and operations with respect to organizational SOPs and standards and achieving sales targets within set timeframes
- Imparted training and guidance to new and existing employees
- Improved performance levels for all employees within the organization by ensuring they follow companies code of conduct

ADDITIONAL SKILLS

- Ability to clearly communicate with team members in a professional environment
- Use effective time-management strategies to schedule tasks and complete work to deadlines
- Skilled at managing and motivating teams to meet set goals
- Able to respond quickly in urgent situations
- Proficient in English



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