

# Allan Antonio S. Lopez | Software Developer

Location: Niagara Falls, Ontario, Canada

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Portfolio: [allanaslpz.github.io](https://allanaslpz.github.io)

**Willing to Relocate | Open to remote or hybrid**

Aspiring software developer with a solid IT background and a strong foundation in computer programming. Known for resilience, adaptability, and dedication, I am eager to transition into a software development role. While I lack direct experience, my hands-on programming skills and passion for learning make me a strong candidate for entry-level positions. Ready to contribute to innovative projects and grow in a dynamic environment.

## Education

**Diploma in Computer Programming**

Niagara College

*Niagara Scholar Awardee*

**Bachelor of Science in Information Technology**

Angeles University Foundation

*World Education Services Verified*

## Language Proficiency

English & Filipino/Tagalog

**Tools |** Python, C#, JavaScript, MySQL, MongoDB, CSS3, HTML5, .NET MVC5, ASP.NET, XAML, Pandas & NumPy, RESTAPI, Bootstrap5, Azure Cloud

## Skills

- Flexibility – adaptable to changing priorities and work environments, maintaining productivity and effectiveness.
- Attention to Detail – ensuring accuracy and quality in all tasks and projects.
- Problem Solving – with a proven ability to identify issues, develop solutions, and implement them effectively to resolve complex challenges.
- Decision Making – with a focus on analyzing situations, weighing options, and implementing effective solutions.
- Adaptability – Quick to learn and apply new technologies and processes, thriving in dynamic and fast-paced settings.
- Continuous Learning – Resilient in updating my skills, consistently pursuing new knowledge and professional development to stay current with industry trends and advancements.

## Certification

- Coursera – Introduction to Back-end Development
- Coursera – Programming in Python – *in progress*

## School Projects

### Canadian Automobile Association Marketing Inventory System

- Developed Secure Login and Dashboard: Created a secure login page and an interactive dashboard for inventory management using C#, JavaScript, and REST APIs, hosted on Azure Cloud.
- Implemented OOP Principles: Applied object-oriented programming principles to develop a modular and scalable software solution in C#.
- Utilized Relational Database: Integrated SQLite to efficiently store and retrieve metadata.
- Created Charts and Visualizations: Developed charts and visual data representations within the dashboard using JavaScript.
- Implemented API Integration: Utilized REST APIs, including Swagger, for seamless integration and functionality, leveraging Azure Cloud services.
- Practiced Version Control and Agile Methodologies: Employed GIT for version control and Trello for agile project management to ensure a collaborative development process.
- Performed Testing and Debugging: Conducted thorough testing and debugging to ensure system functionality and reliability.

### Medical/Music Collection

- Developed CRUD Functionality: Implemented basic CRUD functionality for adding, viewing, editing, and deleting items using C#.
- Designed User-Friendly Interface: Utilized object-oriented programming (OOP) principles in C# and JavaScript to design an intuitive and user-friendly interface for managing collections.
- Integrated Relational Database: Integrated a relational database (SQLite) with C# to efficiently store and retrieve metadata, demonstrating proficiency in database design.
- Implemented User Authentication: Utilized C# and JavaScript to implement user authentication and authorization with a login page and session management, along with API integration using Swagger.

### Point of Sales Design

- Implemented User-Friendly Interface: Employed Bootstrap to create an intuitive and responsive design, ensuring a user-friendly interface.
- Collaborated with Team Members: Worked closely with team members to ensure timely achievement of project objectives.
- Utilized JavaScript for Front-End Functionality: Leveraged JavaScript for front-end functionality, enhancing user interaction and experience.

- Utilized Bootstrap 5 for Responsive Design: Employed Bootstrap 5 for responsive and user-friendly interface design, ensuring compatibility across devices.
- Gained Experience in Collaborative Web Development: Acquired valuable experience in collaborative web development, project management, and documentation creation, contributing to overall project success.

**Product Mobile Development**

- Designed and Implemented User-Friendly XAML Interface: Utilized XAML to design and implement a user-friendly interface, ensuring an intuitive user experience.
- Developed Mobile App with .NET MAUI: Utilized .NET MAUI to develop a mobile app showcasing CRUD operations, demonstrating proficiency in cross-platform development.
- Integrated RESTful APIs for Data Interactions: Integrated REST APIs to retrieve, modify, and manage data, showcasing expertise in API integration and data handling.
- Conducted Comprehensive Testing and Debugging: Thoroughly tested and debugged the app to ensure reliability and performance, delivering a seamless user experience.

**Website Design**

- Developed Responsive Website: Created a responsive website using HTML5 and CSS3 to showcase a highlight of our own topic.
- Implemented Modern Web Design Principles: Utilized modern web design principles to ensure a visually appealing and cohesive layout.
- Ensured Cross-Browser Compatibility: Ensured cross-browser compatibility and responsiveness for seamless user experiences on various devices, employing CSS3 and HTML5.

**Data Analysis for University Costs & Olympic Medals**

- Independently Executed Data Analysis Project: Led and executed a data analysis project using Python, focusing on data provided in CSV format and JSON files.
- Utilized Python Libraries: Leveraged Python libraries including NumPy and Pandas for efficient data manipulation, cleaning, and analysis.
- Utilized Jupyter Notebook: Employed Jupyter Notebook for data exploration, visualization, and reporting, facilitating interactive data representation and analysis.
- Utilized MongoDB: Integrated MongoDB for data storage and retrieval, enhancing data analysis capabilities within the Python environment.

**Work Experiences**

**IT Support Specialist L1, Niagara City Cruises, Niagara Falls, ON**

January 2024 - Currently employed

- Network Setup: troubleshoot network issues, supported POS (Toast) hardware and software, and set up CCTV and audio systems.
- IT Support: Resolved software and hardware issues, managed backups, deployed PCs, and provided support for peripherals.
- User Management and Help Desk: Maintained user access (Active Directory), addressed PC issues, and managed help desk tools.
- Systems Maintenance: Configured networks, performed system upgrades, and ensured system reliability with safety protocols.

Title	Company	Location	Length of stay
Technical Advisor Support	Concentrix	Niagara Falls, ON	May 2023 to January 2024
Risk Management Staff	GWU Marketing	Philippines	September 2020 – December 2021
Quality Coach/Analyst	Majorel	Philippines	December 2017 – September 2020
Language-based transactional quality control	Majorel	Philippines	May 2017 – December 2017
Technical Support Specialist	Majorel	Philippines	August 2015 – February 2017
Escalation Specialist	Sutherland	Philippines	December 2012 – August 2015