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Juan Carlos Lauron
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Skills

Programming:

- Proficient with: C#, ASP.Net , JavaScript, HTML
- Experienced with: C, Lua, React, Python

Frameworks/Libraries: jQuery, Bootstrap, CSS/SASS

Hardware: Embedded Systems, PLC Programming, Hardware Interface

Database Management: Microsoft SQL Server, VMWare

Networking: DNS, DHCP, TCP/IP

Education

Northern Alberta Institute of Technology

Computer Engineering Technology

Relevant Coursework: CompTIA A+ Training

Edmonton, AB
January 2019-May 2021

Programming Projects

—Personal Projects —

Personal Web | JavaScript, HTML, SASS | [GitHub](#) | [Website](#)

Personal website built with JavaScript and SASS to showcase my abilities and skills

CLI Commands REST API (Back-end) | ASP.NET Core, MVC, C#, RESTful APIs | [GitHub](#)

An API that returns a plethora of CLI Commands that developers often forget

- Built a **REST API** which stores command line code snippets with their descriptions
- Used **EF Core ORM** (DbContext), Migrations, DTOs, & SQL Server Express for data access
- Used the repository & dependency injection **design patterns** to encapsulate data access
- Tested **CRUD API** Endpoints with RESTED/Postman platform

TrackerSystemz | C# JavaScript, Visual Studio, .Net Web-MVC, Bootstrap | [GitHub](#)

A web app made as MVC pattern and is used for tracking and managing the registered users' tickets

- Built an **MVC Architectural Pattern** which shows the **SQL** model of registered users with their tickets and a simple UI using an open-source toolkit with **Bootstrap**
- Implemented a login system using **jQuery** to allow **CRUD** operations on the user's issues/tickets
- Used **CRUD** Functionality to update and add information about the user's tickets.

—Coursework Projects —

Molecular Mass Calculator / C#, Visual Studio, WPF | [GitHub](#)

A C# calculator that produces the sum of the atomic weights for each atom in the formula times its occurrence

- Led a team of 2: **organized meetings, delegated tasks, helped teammate debug.**

ASP – Programs / C#, ASP.net, SQL | [GitHub](#)

ASP.net programs that follows an MVC design pattern created in C# using SQL database management to manage the user's data from NAIT's database

Research Experience

Capstone Project

Project: Automated Greenhouse (3 member project)

-Fabricated an automated greenhouse with environmental devices for collecting soil, light and humidity condition of a plant to report data to a webserver.

- Installed an automated water pump and soil moisture sensor to simulate water production to reach required plant condition using LUA and NodeMCU

Activities

NAIT Tutor. Aided computer engineering technology students with their learning difficulties throughout one semester