

# Hello, I'm Nicholas Maspoch.

## Projects

*June 2024-Present*

### STAR WARS ENCYCLOPEDIA

Applied knowledge of JSON, REST, browser fetch API, and dynamic HTML by fetching data of various categories pertaining to the Star Wars franchise. The result was a responsive single page app (SPA), that would dynamically generate HTML elements to represent the data returned by the APIs.

*June 2024*

### HOUSE VALUE PREDICTOR

Created a Python program that would predict house prices by applying machine learning concepts such as linear regression, feature scaling, and regularization to deliver the most accurate results.

*September 2023-Present*

### PERSONAL WEBSITE

Created website from scratch using HTML, CSS, and JavaScript to serve as portfolio to highlight frontend experience and creativity.

*June 2023-Present*

### EXPLORATION OF DATA STRUCTURES

Implemented stacks, queues, and binary search trees in Java. Used unit testing and various debugging techniques to verify implementation.

*June 2023-August 2023*

### FIRST PERSON SHOOTER DEMO

Designed small first-person shooter video game in the Unity Game Engine using C#, with features such as player and weapon classes, and advanced movement abilities like a grapple hook.

nmaspoch@hotmail.com  
647-514-4578  
<https://nmaspoch.github.io/>  
Hamilton, ON

**September 2023-Present**

*Honours Bachelor of Science*

*Degree in Computer Science*

Brock University, St. Catharines, ON

**September 2022-April 2023**

*Honours Bachelor of Computer*

*Science* University of Western

Ontario, London ON

- Web development technologies (Frontend: HTML, CSS, JavaScript; Backend: PHP, MySQL, Node.js) – Proficient
- Python programming language (File reading; lists, tuples, sets, and dictionaries; exception handling; object-oriented) – Proficient
- Java programming language (Object-oriented, stacks & heaps, recursion, BST) – Proficient
- C# programming language – Intermediate
- Source and Version Control: Git, Github – Proficient
- Microsoft Word (Tables, charts, lists, graphics) – Proficient
- Microsoft Excel (Functions, regression analysis) – Proficient
- Microsoft PowerPoint (Slideshow, animation) – Proficient

# Work Experience

*July 2021-Present*

*ZytechSoft, Mississauga, ON*

## **WEBSITE DEVELOPER**

Participates in the development of a responsive and professional business website for a software consulting company.

Coordinated with stakeholders and graphic designer to deliver a polished product, with significant improvements in loading times.

# Extracurricular Experience

*October 2018-June 2022*

*St. Mary Catholic Secondary School, Hamilton, ON*

## **MEMBER OF MAKESHIFT ROBOTICS (4039)**

- Coordinated a group of six scouts to efficiently communicate and analyze robots during competitions to help the team move on to provincial and world championships.
- Marketed team annually to local businesses such as Pulse Microsystems by leveraging public speaking and PowerPoint skills to raise funds.
- Overhauled team website using WordPress to make website look more professional.
- Trained and organized website team by teaching members WordPress and assigning different tasks to update and maintain website.
- Wrote and recorded material for campaign started to encourage girls to pursue a career in Science, Technology, Engineering, and Math (STEM) and to increase number of female team members.
- Coached novices to collaborate through icebreaking activities to acclimate to being part of team, resulting in greater sense of camaraderie.

# References

## **ROBERTO NODA**

*Director*

416-917-1081

[rnoda@zytechsoft.com](mailto:rnoda@zytechsoft.com)

## **SKILLS**

- Team Player
- Team Leadership
- Good Work Ethic
- Critical Thinking
- Eagerness to Learn New Technologies
- Time Management and Organization

## **ACADEMIC AWARDS**

**September 2019-September 2021**

**St. Mary Catholic Secondary School,  
Hamilton, ON**

### **DIRECTOR'S AWARD FOR ACADEMIC EXCELLENCE**

Achieved being one of top two males in grade from grades 9-11 with averages of 94, 97, and 96 respectively, resulting in recognition for academic proficiency.

**September 2019-September 2021**

**St. Mary Catholic Secondary School,  
Hamilton, ON**

### **HONOUR ROLL RECIPIENT**

Recognized annually for maintaining an average of 80 or greater by achieving averages of 94, 97, 96, and 95 throughout the four years of high school.