

# Philip Papadatos

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## Education

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### Carleton University

Honours B.Sc in Computer Science - Artificial Intelligence/Machine Learning Stream

Ottawa, ON

Sept 2023 -

- Expected Graduation April 2026
- **Relevant Coursework: Java:** Problem solving, abstraction, methods, inheritance, program efficiency, testing and debugging.
- **Systems Programming (C):** Fundamental OS concepts, procedures, primitive data types, user-defined types.
- **Web Applications (JS):** Scripting, virtual machines, and performance and security concerns in modern distributed applications.
- **Data Structures:** Analysis of different data structures as to optimize time and space constraints in programming.
- **Software Engineering:** C++ from a software engineering perspective;
- **Database Management Systems :** Database design and file structures.

### University of Ottawa

Honours B.Sc in Biomedical Sciences

Ottawa, ON

Sept 2018 - June 2023

- Dean's Honors List 2018 - 2020s

- **Relevant Courses:** Computing, Programming, Bioinformatics Laboratory, Calculus, Statistical Analysis.

- **Relevant Coursework: Python:** Algorithm design, structure decomposition, documentation, testing and debugging. Recursion. Fundamental data structures: arrays, strings, matrices, records. Introduction to objects.
- **R:** Hands-on analysis of data to solve biological questions using quantitative and computational methods.

## Projects

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### Passion XI

Personal Project

- Building a modern foundation for a new, up and coming, local soccer team.
- Built the website front-end with self taught **HTML, CSS** and **JavaScript** code.
- Developed a marketing and branding strategy for the team. Designed and organised the social media posts.
- **Technical Skills:** HTML, CSS, JavaScript, Canva.
- **Soft Skills:** Organisation, Teamwork, Caption writing, Strategy planning.

### Pokemon Party Web Application

Web Application

Winter 2024

- Using skills learned in Web applications fundamentals course to create a web application that uses PokeAPI to fulfill necessary tasks.
- **Technical Skills:** JS, CSS, HTML, SQL, Node.

### TalkToMe

Hackathon Project

Fall 2024 -

- Mobile and Web application built with React Native. In the theme of self-improvement, my team and I built this application. It allows the user to practice dialogue and conversation with AI generated characters in different contexts and then be coached. Powered by the OpenAI API.
- **Technical Skills:** JavaScript, React Native, Expo, OpenAI API.

### Let's Train

Course/Personal Project

Current

- Project originates from Database Management Course. Currently developing a mobile and web application with React Native. The goal is to apply the teachings of the course to create an application that will help Soccer Clubs and players train. It will use a Database to help users navigate through a plethora of drills used by the highest level teams and plan their very own training session with ease.
- **Technical Skills:** JavaScript, React Native, Expo, OpenAI API.

## Skills

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**Programming** Python, Java, R , SQL, HTML/CSS, JavaScript, C, C# , C++, Haskell, React, React Native, Node.js, Swift, ServiceNow.

**Miscellaneous** L<sup>A</sup>T<sub>E</sub>X(Overleaf), Microsoft Office, Git.

**Languages** English, French, Greek and Spanish

## Work Experience

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### Conseil des Écoles catholiques du Centre-Est

Ottawa, ON

July 2023 -

Student Intern

- Performed web application **quality assurance** testing, reported various bugs and issues, ensuring the quality and functionality of the software.
- Updated and maintained the **MS SQL** database using **Visual Studio**, meeting the changing business needs and requirements of the web application.
- Fixed minor back-end bugs using **C#** and **.NET**, enhancing the performance and reliability of the web application.
- **Technical Skills:** JiraSoftware, SQL, C#, .NET
- **Soft Skills:** Minor bug fixing, Application testing, Teamwork, Communication.