Owen Smith

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TECHNICAL SKILLS

Python, Java, JavaScript, C#, SQL, HTML & CSS, .NET, PyTorch, Azure, Microsoft Office Suite

EDUCATION

McGill University Montreal, QC
Bachelor of Computer Science (Honours), Minor in Mathematics **Expected** 12/2021
Relevant Coursework: Database Systems (A); Machine Learning (A); Artificial Intelligence (A)

PROFESSIONAL EXPERIENCE

Descartes Systems Group Waterloo, ON
Software Developer Intern 05/2021 – 08/2021

- Working with the GLN R&D team on a full stack web application in JavaScript, C#, .NET Framework/Core
- Executing bug fixes and building features to give application developers the ease of writing clean and precise code to create fully responsive projects
- Implemented security fixes to prevent cross site request forgery attacks

Reamined Systems Inc. Toronto, ON
Software Developer Intern 04/2020 – 08/2020

- Developed a full stack local web application using JavaScript, SQLite, Delphi
- Equipped with a customizable configuration utility to complement a responsive and client focused application
- Distributed across 444 municipalities in Ontario, giving millions easier access to their property assessments

ACTIVITIES AND LEADERSHIP

ConnectUs.today Toronto, ON
Student Board of Directors 04/2021 – Present

- Responsible for setting goals and objectives according to a strategic plan focused towards student impact
- The strategic plan is then used by the corporate board to direct their actions

Technical Consultant 10/2019 – Present

- Since the company's infancy, I have been consulting the founders on web hosting, cloud/database platforms and helping translate their business needs into technical solutions

PERSONAL PROJECTS

Rhino Chess 12/2020
Deep Learning Chess Engine

- A PyTorch convoluted neural network which predicts winning chess position with 97% test accuracy despite no prior understanding of the piece values or rules of chess
- Uses a comparison-based version of alpha-beta search algorithm to determine the best move available

RecipEasy 02/2020
Machine Learning Vision iOS Application

- For the annual McGill McHacks hackathon, me and my team built an iOS mobile application in Swift that uses machine learning and optical character recognition to interpret a handwritten list of ingredients and fetch relevant recipes