Setu Potnis

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Work Experience

Box Labs   Toronto / Remote   *Software Developer*   *Sept 2020 | Present*

- Creating data visualizations with Python and JavaScript to inform patients about health risks
- Converting markups in Zeplin and Figma to functional UI to increase application features
- Building test environments to assess for code scalability, and formatting to improve user experience

National Research Council   Ottawa   *Web Application Developer*   *Jan 2020 | Aug 2020*

- Testing, observing and deploying data visualization systems to production servers increasing the usability of data by 14%
- Creating data visualizations and machine learning tools with JavaScript to slash energy usage statistics, consequently reducing expenses by 20%
- Employing the use of data structures in JavaScript to reduce repetitive code by 12% and increase scalability of algorithms by 16%
- Communicating with clients through technical guides to present the product and increase client satisfaction

Mirrabel Inc   Toronto   *Software Developer*   *May 2019 | Aug 2019*

- Diligently worked to manage the back-end of the website in Python and reduced runtime errors by 40% to allow faster website performance
- Produced a Shopify application by designing the user interface with React.js, and a functional backend with Express and NodeJS
- Analyzed user data with Python and Matlab to decide how well existing e-commerce stores were gaining success from using the app

Projects

uOttaFit JavaScript, Python   *https://github.com/setupotnis/uOttaFit*
A full stack application, made with PyTorch and JavaScript, which prompts users on how to perform weightlifting exercises without becoming injured and achieved top 5 out of 177 participants for creating technology which improved health and wellness of users

Skills

Fluent Programming Languages JavaScript, Python, Matlab

Frameworks Django, Flask, ReactJS, Express

Libraries PyTorch, TensorFlow, SciKitLearn

Web Technologies REST, HTML5, CSS, MongoDB, AWS, Azure

Education

University of Waterloo   Waterloo, Ontario
Bachelors of Applied Science Nanotechnology Engineering   *Sept 2018 | Apr 2023*