

# SetuPotnis

✉ spotnis@uwaterloo.ca | ☎ 647-408-3032 | 🌐 <https://www.setupotnis.ca/>

## Skills

---

**Languages:** JavaScript, Java, Python, MATLAB, GraphQL, SQL, C#, C++, C  
**Libraries / Frameworks:** Django, Flask, Node.js, React, Express, Material UI, Redux, PyTorch, TensorFlow, jQuery  
**Tools:** Git, MongoDB, AWS, Azure, COMSOL, Microsoft Office Suite  
**Web Technologies:** REST, HTML5, CSS, HTTP  
**OS Environments:** MacOS, Linux, Windows  
**Product Management:** Jira, Trello, Scrum, Agile, GitLab, GitHub

## Work Experience

---

### Box Labs

Toronto (Remote)

SOFTWARE DEVELOPER

Sept 2020 – Present

- Imaginatively creating data visualizations with Python resulting in patients being more informed about their health risks
- Successfully converting markups in Figma to functional UI to increase the number of application features from 10 to 15
- Proficiently building test cases to assess for scalability in TypeScript to minimize the impact of bugs on user experience
- Improving product aesthetic and user experience of high-volume online services, resulting in a significant increase in user retention

### National Research Council

Ottawa (Remote)

PRODUCT MANAGEMENT INTERN

May 2020 – Aug 2020

- Developed and execute detailed product roadmaps using Agile methodology
- Evangelized product vision to key stakeholders using customer research, data analysis, and use cases to build consensus
- Effectively communicated with clients through technical guides to present the product and significantly increase client satisfaction
- Leveraged beta testing, data analytics, and user research to identify and experiment with new formats and measurement methods to improve performance
- Collaborated cross-functionally with design, engineering, marketing and sales teams to identify and deliver new product solutions and enhance existing portfolio

### National Research Council

Ottawa

WEB APPLICATION DEVELOPER

Jan 2020 – Apr 2020

- Creatively developed, tested and deployed data visualization systems to production servers increasing the usability of data
- Identified, recommended, and prioritized new web features in conjunction with business clients and project managers
- Independently employed the use of data structures in JavaScript to significantly reduce repetitive code and considerably improve scalability of algorithms
- Efficiently created data visualizations and machine learning tools with JavaScript to slash energy usage statistics, consequently allowing clients to reduce expenses by 20%

### Mirrabel Inc

Toronto

SOFTWARE DEVELOPER

May 2019 – Aug 2019

- Diligently managed the back-end of the website in Python and reduced runtime errors by 40% to allow faster website performance
- Decisively produced a Shopify app by designing the user interface with React.js, and a functional backend with Express and NodeJS
- Meticulously analyzed user data with Python to identify the success rate of existing e-commerce stores with regards to increased sales
- Automated e-mail marketing with Python to grant quicker access to cosmetic partnerships to bolster product distribution worldwide

## Projects

---

### uOttFit

React, Python, AWS, Node.js

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

<https://devpost.com/software/uottafit>

## Education

---

### University of Waterloo

Waterloo, Ontario

BACHELORS OF APPLIED SCIENCE IN NANOTECHNOLOGY ENGINEERING

Sept 2018 – Apr 2023