

BRANDON MARKS

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A **collaborative** and **results-oriented** Software Developer committed to making a measurable impact

EDUCATION

BSc. Computer Science Specialization, Software Engineering Minor Sep 2019 - (Expected Apr 2024)
University of Western Ontario, London, ON, Canada

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C++, C, C#

Full Stack: HTML, CSS, React.js, React Native, Angular, Django, Node.js, Flask

Other: SQL, MySQL, MongoDB, Git/GitHub, Linux, Jira, AWS, UML

WORK EXPERIENCE

Information Systems Assistant | Oil, Gas & Salt Resources Library May 2021 - Aug 2021

- Enhanced features and user interface of online core viewer tool using **HTML**, **CSS** and **JavaScript**, improving the experiences of **30** clients who use it frequently
- Developed an interactive virtual reality application for GIS data exploration on Oculus Quest, using Godot and GDScript, enhancing client experiences and reducing annual costs by **\$400 - \$1800**
- Managed version control of source code using **Git/GitHub**, improving efficiency of programming tasks

VOLUNTEER & EXTRACURRICULAR EXPERIENCE

Full Stack Developer | eHacks Events ([Website](#)) Jul 2021 - Present

- Implementing **responsive design** and maintainable code using **React.js**, **Sass**, **Node.js** and **MongoDB**, creating a user-friendly website for **200** hackathon participants
- Collaborating with 2 other developers by performing **code reviews** and managing version control of source code on **Git/GitHub** using industry best practices, increasing development progress

Machine Learning Project Manager | Western AI ([Project](#)) Jun 2020 - Aug 2020

- Led a team of 4 students to create an animal image classification ML model with a convolutional neural network using **TensorFlow** and **NumPy**, achieving an accuracy of **98.5%**
- Managed team by developing a strategic 3-month schedule, communicating and assigning tasks based on skill-level, and developing members' technical skills, improving team workflow
- Developed web application using **Python**, **Flask**, **HTML**, **CSS**, **JavaScript** and **jQuery**, and implemented ML model into web application, making project user-friendly

Database Developer | St. John The Compassionate Mission Jun 2020 - Aug 2020

- Developed a **structured database** application and queries using Microsoft Access, **SQL** and Dia, enabling easier management of many different types of records
- Programmed application to automatically create mailing lists and shipping labels using SQL, reducing time spent on routine tasks by **30%**

SIDE PROJECTS

New Live | React Native, Node.js, MongoDB, Google Maps API ([GitHub](#)) Aug 2020 - Sep 2020

- A mobile application to help landlords find potential tenants and vice versa in specific areas
- Developed **REST API** using **Express.js** and **MongoDB**, and implemented **non-structured database**
- Implemented Google Maps API for address search, and login system

Marks Blog | Django, Python, HTML, CSS, Bootstrap, jQuery ([GitHub](#)) Dec 2019 - Jan 2020

- A web application where multiple users can share blogs, and create and manage their accounts
- Back-end made with **Python** and **Django**, front-end made with **HTML**, **JavaScript** and **Bootstrap**

AWARDS

Dean's Honor List | University of Western Ontario, Faculty of Science May 2020
Hackathon Finalist | eHacks Events at University of Western Ontario Feb 2020