MANETH KULATUNGE

manethkulatunge.github.io | maneth.kulatunge@mail.mcgill.ca | 514-571-7429 | github.com/manethkulatunge

---

EDUCATION

B.Sc. Computer Science - McGill University, Montreal, Canada   September 2018 - Present
Expected Graduation Date - June 2022
- *Relevant Courses: Data Structures and Algorithms, Introduction to Software Systems, Foundations of Programming*

SKILLS

Programming : Java, Javascript/Typescript, Solidity, Python, HTML, CSS
Tools/Libraries : Node.js, Express, PostgreSQL, MongoDB, Redux, xUnit

EXPERIENCE

Geotab Inc, Oakville, Ontario   May 2019 - December 2019
Software Developer Intern
- Improved the application's rendering time by 80% by developing an interface for collecting GPS Data
- Enhanced navigation for the application's add-ins by eliminating the need for manual entry of URLs
- Refactored web interface to adaptively respond to user location ensuring region-specific compliance
- Remodeled the storage of GPS data resulting in better data consistency within the application
- Implemented a data entry feature for offline use that increased the precision of incoming location data
- Designed prototypes for white-label products that will be used by a multinational company
- Developed automated unit tests (xUnit, Selenium) for the aforementioned solutions

PROJECTS

PoolNVest [Hackathon Project - Hack the 6ix]
- Worked on a blockchain application which established a decentralized mutual fund on mobile devices
- Constructed smart contracts that set conditions for transactions on the application (Solidity)
- Created a RESTful API with a robust authentication system for registered users (Node.js, Express)
- Built a database to organize user data of potential investors (MongoDB)

Caption Generator [Hackathon Project - McGill University]
- Developed an application which generated captions dependent on user-uploaded images (Python)
- Classified images by using machine learning algorithms (Microsoft Cognitive Services API)
- Generated visible captions from the results of image classification (JavaScript, Fetch API)

Open Source Contributions
- Blockchain at McGill: Collected and organized financial data for 7 cryptocurrencies (Python)
- Public Lab: Added a new time format and additional links to an email digest header

Energy Buddy [Hackathon Project - Concordia University]
- Suggested suitable renewable technologies for 37 North American cities based on weather data
- Designed user interface for the web application (JavaScript, Semantic UI, Bootstrap)

AWARD AND HONORS
- **1st Place:** Celo Application Prize - Hack the 6ix Hackathon
- **1st Place:** Geotab API Challenge - McGill University's Annual Hackathon (Mc Hacks)
- **Junior Developer:** Blockchain at McGill