

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, C#, Solidity, Python, HTML, CSS, Less.js

Tools/Libraries : Node.js, Express, PostgreSQL, MongoDB, Redux, xUnit, Sinon.JS

EXPERIENCE

Geotab Inc, Oakville, Ontario

May 2019 - December 2019

Software Developer Intern

- Improved rendering time by **80%** by developing an interface for GPS Data collection (Typescript)
- Optimized scripting time by **20%** after eliminating errors related to incorrect logout (Javascript)
- Restructured **53** references in the codebase after removing an obsolete property (C#)
- Remodeled application state of **6** GPS data components resulting in better data consistency (Redux)
- Resolved **>400** complaints of incorrect password entry by developing a feature on the user interface
- Refactored web interface to adaptively respond to user location ensuring region-specific compliance
- Designed prototypes for white-label products used by a multinational company (Less.js/CSS)
- Developed automated unit tests for the aforementioned solutions (xUnit, Selenium, Sinon.JS)

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