

# MANETH KULATUNGE

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## EDUCATION

**B.Sc. Computer Science - McGill University, Montreal, Canada**

September 2018- Present

Expected Graduation Date - June 2022

- *Relevant Courses: Introduction to Computer Science, Calculus 1, Introduction to Software Systems, Foundations of Programming, Linear Algebra*

## SKILLS

**Programming :** Java, Javascript/Typescript, Python, HTML, CSS

**Tools/Libraries :** PostgreSQL, Redux, xUnit, Flask, Bootstrap

## 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

**CodeJam [Hackathon Project - CodeJam]**

- Developed an application which generated captions dependent on user-uploaded images (Python)
- Classified images by harnessing 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

**Simpli-sity [Co-Founder]**

- Mentored 6 students with preparation for standardized tests and their college admission process
- Designed a website resulting in an increased subscription of 20 customers (Javascript, HTML, CSS)

**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:** Geotab API Challenge - McGill University's Annual Hackathon (Mc Hacks)
- **Junior Developer:** Blockchain at McGill
- **Outstanding Learner's Award:** University of Cambridge