

LOIC MURUMBA

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WORK EXPERIENCE

Google Intern

Waterloo, ON
May 2018 | Aug 2018

- Developed new tab in existing review tool to streamline suspicious advertisement review process.
- Investigated malicious advertisements and analyzed what signals are associated with unacceptable behaviour. Designed the tab to include these signals.
- Simplified workflow by reducing the number of tools required to review an ad by 75% by consolidating information from multiple data sources.
- Implemented feature extractors to support ad information in existing repository; organized binary launch process.
- Arranged interprocess communication between user interface, back-end, and ad scan databases.
- Authored design document for the project; received constructive feedback and answered questions from experienced engineers.

Mitre Media Software Developer

Toronto, ON
Sept 2017 | Dec 2017

- Implemented automated stock reliability ranking using Rails and MySQL. Over 6000 stocks ranked daily using this algorithm.
- Converted outdated PHP account registration process to use Ruby on Rails backend and managed release process for the new changes.
- Tripled page views and improved user experience on dividend.com stock search tool by adding helpful filters
- Organized and prioritized agile sprints with content experts.

Midnight Sun Solar Race Car Team Web Developer

Waterloo, ON
Sept 2017 | Nov 2017

- Designed and implemented new website to represent the team using HTML and Javascript.
- Regularly updated the website to include recent sponsorship updates.
- Website can be viewed at uwmidssun.com.

PROJECTS

FoodFeed | Javascript, Swift <https://goo.gl/TUsDtU>
iOS app allowing users to easily browse through and save GIF versions of recipe videos.
Developed script to populate database with GIFs and to categorize them for intuitive browsing.

Soar | Java <https://goo.gl/A1T8xE>
Challenging android platformer where the player avoids incoming obstacles.
Implemented a database so that users can see the world wide high score.

Platformer AI | Javascript, HTML
Machine learning demo of neural networks attempting to beat a simple platform game by dodging obstacles. Designed genetic algorithm to improve performance over time.

EDUCATION

University of Waterloo
B.Sc Computer Science *GPA: 3.9*

Waterloo, ON
Sept 2016 - Present

AWARDS

Richard Madter Entrance Scholarship [University of Waterloo](#)
Selected among incoming class for impressive academic performance. [July 2016](#)

Class Valedictorian [Dover Bay Secondary School](#)
[June 2016](#)

Horatio Alger National Scholar [Horatio Alger Association](#)
Recognized for outstanding extracurricular work and academic performance while overcoming adversity.