

Abhijith Ramalingam

Passionate about Data Analytics, Robots, Math and Programming.

🌐 Website : abhijith1995.github.io
🐙 GitHub : github.com/Abhijith1995
in LinkedIn : linkedin.com/Abhijith

🔧 SKILL SET

PROGRAMMING

General

Java Python C# C++

Front End

HTML CSS JavaScript

TOOLS

Libraries/Frameworks

jQuery AngularJS Flask

Testing Tools

Protractor Karma Jasmine

Database

MySQL PostgreSQL MongoDB

DATA ANALYSIS

R Pandas Numpy SciPy

MapReduce Hadoop Matplotlib

Scikit-learn Machine Learning

Statistical Inference

📖 EDUCATION

UNIVERSITY OF WATERLOO

BASc in Mechatronics Engineering
Class of 2018

★ RELAVANT COURSES

At University

Calculus for Engineers
Linear Algebra for Engineers
Experimental Measurements and
Statistical Analysis(current)
Data Structures and Algorithms

Certificates from online courses

Intro to Financial Accounting
Computational Investing
R Programming
Exploratory Data Analysis
Getting and Cleaning Data
Data Scientist's Toolbox

Audited courses

Intro to Machine Learning
Intro to Data Science
Intro to Hadoop and MapReduce
Machine Learning

💼 WORK EXPERIENCE

JavaScript Developer



Sep-Dec 2014 | Markham, ON

- Managed automated test suites using a continuous integration server.
- Wrote browser automation scripts to perform unit and end to end tests.
- Wrote bug fixes for UI issues and improved user functionality.
- Engaged in the SDLC using agile methodologies to build a scalable cloud-based data quality solution.

Technologies used : JavaScript AngularJS Git Karma Protractor Jasmine Jenkins

R&D Team Member



Jan-April 2014 | Ottawa, ON

- Developed web crawlers to download over 75,000 projects into a relational database from code hosting websites like Github and SourceForge.
- Optimized the SQL queries of an internal data mining tool, thereby improving processing time by 25%.
- Migrated internal company databases by writing maintainable data-acquisition software services.

Technologies used : C# .NET Framework MySQL PostgreSQL Linux MS Excel RegEx SVN

</> PROJECTS (THIS IS INCOMPLETE, BRO)

Market Simulator

- Built a stock market simulator by accessing data from Yahoo Finance API to understand historical stock trends.
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Technologies used : Python Pandas SciPy Numpy HTTP Matplotlib

New York Subway Data

- Used statistical inference techniques to understand New York Subway data.
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Technologies used : Python Pandas SciPy Numpy HTTP Matplotlib

TransitCheck

- Worked as pair programmer to build the front end for a web application which alerts TTC users of situational delays.
- Built a web crawler to programatically acquire information about TTC services which was then stored in a NoSQL database for fast retrieval.

Technologies used : HTML/CSS JavaScript Node.js Java MonogoDB Bootstrap

Braillestorm

- Won a national robot olympiad by building and programming a robot which implements an easy to use interface for visually impaired people to print Braille

Technologies used : LEGO Mindstorms C++