Saif Mahamood

E: smahamoo@uwaterloo.ca T:519.729.2825 G: github.com/saifmahamood

EXPERIENCE

Full Stack Developer - Data, *Bidvine*
- Developed an automated intelligent syndication system in Node JS
- Developed an SQL Query Generator working with PostGres
- Integrated Google Adwords API with Node JS on server side and Ember JS on front end

Waterloo, ON
Sep'15 – Dec'15

Machine Learning Engineer, *nModal Solutions*
- Developed algorithms for predictive connectors such as SVM, Logistic regression from first principles
- Developed Unsupervised learning algorithms like KMeans from first principles
- Worked with Pinterest Board API

Toronto, ON
Jan'15 – Apr'15

Application Developer, *Communitech*
- Developed a prototype for an app in Android using Activity Lifecycle, background services, SQLite and Location Services
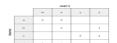- Developed client and server side components for multiple web and mobile devices

Waterloo, ON
Jan'14-Apr'14

PROJECTS

OPENII Schema Matchers, *Research*
- Developed schema matchers to visually organize data models into clusters of related data models
- Implemented Normalized Google Distance and Similarity flooding in JAVA
- Gained experience in Bing Search API process

Machine Learning Music Libraries
- Developed classification using feature extraction on music files
- Implemented it using Principal Component Analysis and Neural Networks using FFTs using Scikit Learn

Recommendation System
- Developed a recommendation system using collaborative and content filtering

SKILLS

Languages
C++, Java, C#, Python

Web Frameworks
NodeJS, EmberJS, AngularJS

Databases
MongoDB, PostGres, SQLite

Data
Scikit-learn, Spark, Hadoop, NLTK

Tools
Git, Unix, Bash, NPM

EDUCATION

Honours Computer Science
University of Waterloo
Sept '11 – Aug '16

Relevant Courses
Algorithms Operating Systems Concurrency
Big Data Artificial Intelligence Machine Learning

AWARDS

1st Place Harvard Hackathon
PermaCC++
Developed Server Side of app using NodeJS interacting with MongoDB

President's Scholarship, University of Waterloo

ACTIVITES AND INTERESTS

Love to play FIFA and Call of Duty on gaming consoles
I do competitive Squash and Dragon boating