

Vishnu Srivastava

vishnu-srivastava@hotmail.com | 226.600.2928

EDUCATION

UNIVERSITY OF WATERLOO MMATH THESIS IN COMPUTER SCIENCE

Conc. in Software Engineering
Guide: Prof. Paulo Alencar
Waterloo, ON | CGPA : 87%
Sep'14 - May'17

DELHI TECHNOLOGICAL UNIVERSITY

(Delhi College of Engineering)
B.TECH ENGINEERING PHYSICS
Conc. in Robotics & Information
Systems
New Delhi, India
Sep'14 - May'17

LINKS

Github:// github.com/zxingz
LinkedIn:// linkedin.com/in/zxingz

COURSEWORK

GRADUATE

Applied Machine Learning
Multi-Agent Systems
Database Management Use
Big Data Software Engineering
Software Requirements Specs

SKILLS

PROGRAMMING

Over 10000 lines:
Python • Java • C++/C
Familiar:
Shell • JavaScript • MATLAB • R
• node.js • Android • C#

DATABASE

Actively Used:
SQLite • MySQL • MS SQLServer •
Oracle 12
Familiar:
MongoDB • PostgreSQL

DEVELOPMENT TOOLS

Apache Airflow • Jenkins • Docker
• Git • SVN

ENVIRONMENTS

Solaris • LinuxMint • Ubuntu • Windows
• Hadoop HDFS

EXPERIENCE

SCOTIABANK | PROGRAMMER ANALYST (CENTRALIZED RISK PLATFORM)

July 2017 – Present | Toronto, ON

- Working on multiple Apache Airflow functionalities to streamline the consumption of data using Python scripts, running on Solaris.
- Developed scripts to interact with IBM RiskWatch running on Apache Mesos Grid Server to perform risk calculations and to load the resultant data into Oracle 12 database.

SCOTIABANK | INTERN (EQUITY TRADING & ELECTRONIC EXECUTION SERVICES)

May 2016 – August 2016 | Toronto, ON

- Instant Chat using Socket.IO, Email reporting/tracking server, Trading performance report.

GAMEZOP.COM | DATA SCIENCE INTERN

January 2016 – April 2016 | New Delhi, India

- Developed Friends Recommender System and Game Recommender System on Google Compute Engine using Scikit-Learn and NetworkX python libraries.

UNIVERSITY OF WATERLOO | TEACHING ASSISTANT

September 2014 – December 2016 | Waterloo, ON

- CS 246-Object-Oriented Software Development(C++ UML)
- CS 116-Introduction to Computer Science 2(Python)

ERNST & YOUNG L.L.P | ASSOCIATE CONSULTANT IT

June 2013 – July 2014 | New Delhi, India

- Develop Design UI and Logic using SAP Advanced Business Application Programming.Customize and Develop Data Report and Form Generation.

SAMSUNG R&D LAB | INTERN (DATA ANALYTICS GROUP)

May 2013 – June 2013 | New Delhi, India

- Extraction of movie trailer links from MovieLens data sets. UI for Samsung Smart TV gesture recognition Application.

PROJECTS

SCORE PREDICTION OF NBA PLAYERS FOR DRAFTKINGS FANDUEL

Predicted score for a player using Random Forest algorithm. Optimized line-ups using the predicted scores for daily fantasy sports websites.

REVIEW OF GAME THEORETIC STRATEGIES AND MACHINE LEARNING ALGORITHM FOR AN ONLINE MULTIPLAYER REVERSI GAME PLAYING AGENT | UW CS886 MULTI-AGENT SYSTEMS

Primarily focused on the mini-max technique and on the use of a machine learning agent trained using a database of the championship games.

HIGH FREQUENCY TRADING BY TRANSIENT PROFIT PEAK CLASSIFICATION USING MACHINE LEARNING ON REAL-TIME DATA STREAMS | UW CS886 APPLIED MACHINE LEARNING

Developed a transient profit peak classification algorithm combined with a classifier expansion mechanism to take advantage of the volatility in the stock markets by classifying a data point as a buying point (BP), selling point (SP) or as a do-nothing point (DN).