BUDI WIBOWO heisbudi@gmail.com

OBJECTIVE

Seeking a full time Business Intelligence or Data Analytics position to leverage and build upon seven years of experience in maintaining and administering a heterogeneous IT environment and extensive skills in software development.

EDUCATION

University of Michigan - Ann Arbor, MI

Masters of Science: Information Analysis and Retrieval

Ball State University - Muncie, IN

Bachelor of Science: Computer Science

Minors: Business & Computer Technology

PROFESSIONAL EXPERIENCE (continue on second page)

Roche Pharmaceutical – Ventana Medical Systems Division, Mountain View, California

2014

May 2015 GPA: 3.55/4.0

July 2004

GPA: 3.55/4.0

Intern

- Setup Big Data infrastructure utilizing Berkley Data Analytics Stack(BDAS), encompassing HDFS, YARN, and Spark
- Aggregate variety of cancer related data from multiple databases engines using Sqoop
- Perform exploratory data analysis using spark-shell in Scala utilizing RDD, RDD join and Spark SQL
- Wrote Scala application for Spark to perform variables distribution analysis and summary statistics for various data source

University of Michigan Medical School – Pediatrics Department, Ann Arbor, Michigan

2013 - Present

Research Assistant

- Research, test, and implement Geo-trigger and Geo-fencing for Android app to aid diabetes research
- Perform Twitter text classification and analysis using Naïve Bayes Bernoulli Document Model, Chi-Square Independence test and Information Gain analysis
- Create a twitter report application on Google App Engine using Python

University of Michigan - School of Information, Ann Arbor, Michigan

2013 - 2014

Programmer, MTogether – a Google-Sponsored Initiative

- Researched and implemented centralized streaming log solution using Google Compute Engine, App Engine, Big Query, Elastic Search, Gray log, JMeter and Python
- Wrote and tested API used by mobile application and browser plugin to store data

Library & Information Technology Services, Ball State University, Muncie, Indiana

2005 - 2012

Head of Digital Libraries and Web Services

Software Development Responsibilities

- Analyzed, processed and data mined various log files for business intelligence purposes using SQL and Pig
- Developed remote-controlled software to turn off/on 400+ workstations using C# and PowerShell
- Built access restriction control for BSU Digital Media Repository using PHP, IIS
- Created a web-based PowerPoint slides generator using PHP, AJAX, and JQuery
- Developed a Study Room Reservation app for android using Java
- Designed web services to interact with heterogeneous systems within the organization using C#, PHP

TECHNICAL SKILLS

Programming

- Java Android
- Python
- R
- PHP JavaScript

Apache Pig

C# Scala

Application

- Google App Engine
- Nginx, Flask
- Apache Spark
- IIS Web Server
- Hyper-V and App-V
- Visual Studio

Data Analytics Environment

- MS SQL Server
- MySQL Server

- **HDFS**

- Google Big Query
- Google Compute Engine
- Hadoop

Statistical / Machine Learning Method

- PCA
- - SVM
 - **Ensemble Method**
- KNN
- Regression
- Naïve Bayes

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PROJECTS

Chegg.com Challenge

 Wrote Multinomial Naïve Bayes classifier in Python, combined with TF-IDF method for stop words removal to predict book categories

Big Data Skill Extraction and Salary Prediction of Job Posting

- Performed Topic Modeling and frequent pattern mining on Job description posting of UK job board.
- Performed feature extraction and support vector regression using topic models to predict annual salary

ICU Mortality Prediction with Topic Modeling and Weighted Linear SVM

• Performed Topic Modeling and Weighted Linear SVM to predict mortality among ICU patients

PROFESSIONAL EXPERIENCE CONTINUED

Library & Information Technology Services, Ball State University

2005 - 2012

Head of Digital Libraries and Web Services

Systems Administrator and Development Responsibilities

- Compiled various SQL reports to support decision making and purchasing
- Planned and Developed backup & recovery strategy for University Libraries' servers & workstations
- Planned, developed and implemented server and application virtualization
- Researched, developed and implemented cost-effective archival strategies for 30TB+ Tiff files
- Researched, tested and implemented streaming media technology for mobile devices
- Successfully configured and developed full scale iSCSI SAN solution(storage and network switches)

Management Responsibilities

- Responsible for on-time and on-budget delivery of projects and program
- Supervised and coordinated the development and maintenance of library's enterprise technology
- Identified, evaluated, budgeted and recommended new technology (hardware & software) purchases
- Served as liaison to the central IT unit in IT projects such as server security compliance, and handling of confidential information.
- Worked with Web Developers & Database Administrators to migrate and integrate various systems

Lincoln Financial Group

2004

Database and Automation Specialist

- Developed payment and invoice tracking database for sales representatives department
- Developed various databases, forms, and reports using MS Access and VB with Oracle backend
- Maintained and troubleshot servers used for checking customer information profile against US government database

Relevant Big Data Courses Taken

- SI618: Exploratory Data Analysis
- SI544: Introduction to statistics and data analysis
- EECS598: Practical Machine Learning
- EECS545: Machine Learning

- SI650: Information Retrieval
- STATS415: Data Mining
- EECS598: Medical Data Mining

Academic Honors

- Merit Scholarship, University of Michigan (Fall 2013-Sptring 2015)
- Dean's List, Ball State University College of Science and humanities (Spring 2001-Fall 2004)
- Full Scholarship, Ball State University International House (2000-2004)
- David and Jacquolyne Werner Scholarship, Ball State University (2003-2004)
- Exceptional Graduate, Ball State University Computer Technology Department (2004)