

Data Analyst (Research Assistant)

### **Data Analyst and Business Analytics Professional**

#### **San Francisco Bay Area, CA**

Complex Data Analytics | Business Intelligence | Start-Up Mentality | Agile Business Solutions

- Accomplished and results-oriented Data Analyst and Research leader offering a proven track record of driving innovative data solutions that drive operational efficiencies growth and success
- Detail-oriented analyst with the ability to adapt quickly to change and adhere to critical deadlines across diverse business environments
- Team-oriented with a consistent positive attitude to any complex situation while retaining focus on analytical and business intelligence modeling
- Deep expertise in collaborating with high-functioning teams that focus on data manipulation and cost-effective business solutions
- Excellent interpersonal skills and leadership abilities to effectively and quickly motivate and influence others while developing and maintaining high standards

#### **AREAS OF EXPERTISE**

- Data Science and Business Intelligence
- Data Warehousing (SQL, PostgreSQL)
- Data Analytics and Insights Generation
- System Reporting and Performance Measurement
- Machine Learning (ML) and Artificial Intelligence (AI)
- Computer Programming (Python, R)
- Data visualization and presentation
- Marketing research
- Agile SCRUM leadership
- Startup environment
- Problem-Solving
- Collaboration and Communication
- Product Ownership
- Project Management

#### **Work Experience**

##### **Data Analyst (Research Assistant)**

San Jose State University - San Jose, CA

February 2018 to December 2018

Design and build complex data models including cost efficient service to stream and store large amounts of data on price changes for consumer products

- Research reliable data sources and APIs and propose sampling to reduce costs
- Develop streaming service and ETL pipeline that successfully provides clean information to lead researchers (Python, SQL, requests)
- Implemented Data Vault 2.0 architecture to build flexible and scalable data warehouse to fit ever-changing needs of the research team (SQL, PostgreSQL)
- The solution daily tracks price changes of 1M+ products and calculates Consumer Price Index at a significantly reduced cost

##### **Data Analytics / Product Owner**

MestniyMaster.ru - Novosibirsk, RU

February 2015 to December 2016

Drove data aggregation for a web application that applied 'wisdom of the crowd' to construction estimations

- Aggregate and classify large-scale pricing and metadata from websites of 1,000 construction contractors across 20+ regions
- Predict construction prices in additional 1,100 cities using macroeconomic data and trending analyses (python, sklearn, KNN, fancyimpute.MICE)
- Scrape pricing and metadata on 200,000 construction materials from various websites

(python, pandas and selenium)

- Extract meta features, categorize materials, and calculate their mean unit prices (python, pandas, sklearn, CountVectorizer, SVM, Logistic Regression)
- Lead Agile team in daily stand-up Scrums, Sprint Planning Meetings, Sprint Reviews, and Retrospectives

## **Business Development / Business Analyst**

Hirsch Haus LLC - Novosibirsk, RU

September 2007 to January 2015

Primary client-facing business development professional working with client senior management and company stakeholders

- Daily use of MS Excel, pivot tables, creating charts and presentations for executives and cross functional teams in PowerPoint
- Host weekly stakeholder meetings from the creation of initial project charters through project planning, execution, and monitoring phases
- Provide resource allocation/budget and metric tracking to bring projects in on time and on budget

## **Education**

Bachelor of Science in Economics

San Jose State University San Jose, CA

January 2017 to January 2018

## **Skills**

Artificial intelligence (2 years), Bash (Less than 1 year), Business intelligence (7 years), Computer programming (3 years), Python (3 years), R (1 year), SQL (1 year), Tableau (Less than 1 year), Excel (7 years), Matlab (Less than 1 year), Databases (2 years), Data Analysis(3 years), Data Mining (3 years), Word (7 years), Powerpoint (7 years), Google Analytics(Less than 1 year), Linux (Less than 1 year), Hadoop (Less than 1 year), Product Development (2 years), Product Management (2 years), Project Management (7 years), Statistics (3 years), Data Warehousing (1 year), Matlab (Less than 1 year), PostgreSQL (1 year), MS Office (Less than 1 year), Microsoft Office (Less than 1 year)

## **Links**

<https://www.kaggle.com/sibmike>

## **Awards**

Winner of Annual Research Competition 2018, SJSU Economics Department

2018-01

"Disequilibria in markets with stochastic processes: an agent-based model approach"

Winner of Research Proposal Competition Spring 2018, SJSU Economic Department

2017-05

"Estimated Dynamic Equilibrium Model: Supply and Demand as a Sample Path of a Stochastic Process"

## **Certifications**

Open FAIR Certified

June 2018 to Present

The Open Group Open FAIR™ Certification Program is aimed at meeting the needs of risk analysts and organizations employing risk analysts. The program is based upon Open Factor Analysis of Information Risk (FAIR), an open and independent information risk analysis methodology.

## **Additional Information**

### **TECHNICAL SKILLS**

Python – R – MatLab – SQL – PostgreSQL – Tableau – Google Analytics – MS Excel – MS PowerPoint – MS Word – Bash – UNIX – Datavault 2.0 – Data Warehouse – Hadoop – Spark –Hive – NumPy – SciPy – scikit-learn – pandas – matplotlib – seaborn