BIDA Resume

412-555-1234
datascience@andrew.cmu.edu
Github/LinkedIn URLs

Education

CARNEGIE MELLON UNIVERSITY, HEINZ COLLEGE   Pittsburgh, PA
- Master of Information Systems Management - Business Intelligence and Data Analytics   Dec 2019
- GPA: 3.93/4.33
- Coursework: Unstructured Data Analytics, Machine Learning for Problem Solving, Big Data, Data Focused Python

INDIAN INSTITUTE OF TECHNOLOGY, MADRAS   Chennai, India
- Bachelor of Engineering—Computer Science and Engineering, Dean's List 2012-2013, 2013-2014   June 2017
- GPA: 9.5/10
- Leadership: TA for Object Oriented Programming in Java; Vice President of Student Union; Lead Peer Mentor (team of 15)

Project Experience

[python | data visualization] University Crime Report Tool   Fall 2018
- Developed a tool in python to analyze campus crime data of 50 universities across 20 US cities
- Used web APIs, web scraping, and related JSON and CSV files to acquire data
- Generated statistical visualizations highlighting crime rate comparisons using matplotlib and seaborn

[machine learning] Cortana Challenge: Loan Granting Binary Classification   Fall 2016
- Applied Boosted Decision Tree with preprocessing of SMOTE oversampling and PCA reduction
- Leveraged Azure cloud computing platform to achieved 80% overall accuracy on 1-million row dataset

Skills

Programming: Python (w/ framework of PySpark, Flask, scikit-learn, Keras, NLTK, spaCy), Bash (Linux), C, Java

Database & Big Data: SQL (Oracle, MySQL, PostgreSQL), Hadoop (w/ Hive, Spark, Oozie, Presto), ElasticSearch, Kafka

Statistical Analysis: Clustering, Regression, Topic Modeling, PCA, T-SNE, Classification, Neural Networks, AWS, A/B Tests

Analytics: Microsoft Excel, Superset, Tableau, Alteryx

Work Experience

SHOPEE   Singapore
Top eCommerce platform in Greater Southeast Asia under Sea Group (NYSE:SE) with quarterly GMV $2.2 billion   Sep 2017 – Jul 2018
Data Analyst
- **[app analysis]** Analyzed customer churn rate at different sign-up stages by funnel analysis to support feature re-design; advised PMs on app localization from ad-hoc analysis on A/B testing
- **[report and dashboard]** Automated weekly attribution report workflow using Spark, HDFS, Python, Excel; created and managed feature-specific dashboards for senior management on Lumos (Superset derivative)
- **[data engineering]** Enhanced performances of event-tracking data workflow and reduced 70% processing time by restructuring data source using Spark DataFrame/SQL and Bash; prototyped data quality assurance scheme and deployed anomaly detection process on Kafka
- **[communication]** Collaborated with PM and strategy team to align on KPIs to monitor; engaged with Data Engineering team to jointly design, build and enhance ETL process for daily inflow of TB-sized data

DATA ANALYTICS RESEARCH CENTRE   Cambridge, MA
Joint research lab between MIT and Indian Institute of Technology, Madras   Jan 2017 – Sep 2017
Research Engineer
- **[applied machine learning]** Developed social media text classifier for municipal issue detection with 75% accuracy using NLP technique (nltk) and machine learning (in Scikit-learn linear SVM)
- **[client interaction]** Collaborated with governmental client (Municipal Service Office) to prototype automated real-time alerting and dashboarding system using Telegram, HTML, ElasticSearch and enhanced online issue reporting efficiency

BIDA RESUME SKILLS & TECHNICAL CATEGORIES

A skills-based resume allows you to highlight the skill you gained, followed by a bullet-point description which provides further detail on how you gained the skills and results achieved. Below are transferable and data analytics skills to start building your resume.

Here is an example of what a bullet point on a skills-based resume looks like:

- *App Analysis: Analyzed customer churn rate at different sign-up stages by funnel analysis to support feature re-design; advised PMs on app localization from ad-hoc analysis on A/B testing*
- *Communication: Collaborated with PM and strategy team to align on KPIs to monitor; engaged with Data Engineering team to jointly design, build and enhance ETL process for daily inflow of TB-sized data*

Transferable Skills

Analytical	Client Interaction/Management	Commercial Focus/Sensibility
Communication	Cross-cultural Teamwork	Cross-functional Teamwork
Initiative	Innovation/Creativity	Leadership
Negotiation	Presentation	Problem Solving
Project Management	Research	Results-driven
Risk-taking	Sales	Teamwork
Training & Development	Verbal Communication	Written Communication

Business Intelligence & Data Analytic Skills

A/B Testing	Algorithm Design	Automation
Back-testing	Big Data	Binary Classification
Classification	Clustering	Correlation Analysis
Customer Engagement	Dashboards	Data Analysis/Transformation
Data Cleansing	Data Engineering	Data Exploration
Data Manipulation	Data Mining	Data Processing
Data Visualization	Data Warehousing	Database Management
Deep Learning	Due Diligence	Dynamic Binding
Embedding	ETL Process (extract, transform, load)	Feature Selection
Financial Analysis	Forecasting	Hypothesis Testing
Life Cycle	Linear Regression Modeling	Machine Learning
Macroeconomic Research	Market Analysis	Market Research
Mathematical Modeling	Migration	Model Verification
Modeling	Monte Carlo Simulation	Natural Language Processing
Network Analysis	Neural Networks	Object Oriented Programming
Optimization	Predictive Modeling	Programming
Qualitative Research	Quantitative Modeling	Regression/Regression Analysis
Report Writing/Generation	Risk Management	Segmentation
Sentiment Analysis	Statistical Modeling	Statistics
Strategy Implementation	Strategy Research	Technical Documentation
Text Analysis/Analytics	Time Series Analysis	User Analysis
Web Application Development	Web Development	Web Scraping

Technical Skills Category Ideas

Instead of listing every technical skill/program/tool you know in the technical skill section, we recommend categorizing your skills so the reader can easily identify your skillset(s). Here are examples of categories you may use. Remember to put the most relevant categories first (depending on your job target).

Analytics	Applications	Big Data
Cloud Computing	Database	Frameworks
Functional	Machine Learning	Operating Systems
Packages	Programming/Languages	Software
Statistical	Tools	Web Development