K.KENNETH DAVIS

Data Science & Machine Learning

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SUMMARY

I equip community-focused organizations to utilize data to solve their business problems using my outstanding analytical and problem-solving skills as a Black trans entrepreneur with finance, data science, and machine learning background.

SKILLS

MACHINE LEARNING: Regression, classification, natural language processing (NLP), neural networks, unsupervised learning clustering, Naive Bayes, autoregressive forecasting(ARIMA), feature engineering/extraction, decision trees, forests, bagging, boosting, bootstrapping

CODING: Python, SQL, Pandas, NumPy, SciPy, Sklearn, TensorFlow, HTML, streamlit, Spark, VsCode, Jupyter Notebook, pgAdmin4, Google Colab, Beautiful Soup, JSON, GitHub

STATISTICAL METHODS & MODELING: Data collection, web scraping, APIs, cleaning, sampling, exploratory data analysis, hypothesis testing, correlation/causation, confidence intervals, technical reports, probability

DATA VISUALIZATION: Tableau, Matplotlib, Seaborn, Plotly

SOFTWARE: Bloomberg, Wharton Research Data Services, Zacks Research System, QuickBooks, Microsoft Office (Word, Excel, Powerpoint, Project), Google Suite (Gmail, Drive, Calendar, Docs, Sheets, Slides, Forms, Classroom, Meet), Adobe PDF, Slack, Zoom, Yahoo Finance

RELEVANT EXPERIENCE

DATA SCIENCE IMMERSIVE

General Assembly |Remote| **Dec.2021-Present**

Completed over 5 projects and 25 labs in a 480-hour immersive course, leveraging data science skills to solve real-world problems with supervised and unsupervised machine learning.

❖ Identified bias within a specific hate speech algorithm by designing a multi-classification model using various NLP techniques with an accuracy of 84%, precision, and recall scores above 90%.

❖ With a team of data scientists, we deeply analyzed hate crime prosecution rates by building a predictive classification model to determine if a hate crime case will reach prosecution.

❖ Cleaned, examined, and recommended solutions from SAT/ACT datasets to help an admission board increase their African American student population using exploratory data analysis, python, and other analytical tools.

❖ Acquired data using Pushshift's API to achieve various NLP techniques, including Term Frequency-Inverse Document Frequency or CountVectorizer, and designed multiple models such as Multinomial Naive Bayes and Logistic Regression to classify similar subreddits from one another.

❖ Created linear regression models to predict sale prices of homes in Ames, Iowa. Used various feature selection, engineering, and regularization methods that accounted for 85% of the variability in housing prices.

THE TRANS CAPITALIST

Financial Literacy Consultant

Chief Executive Officer |Princeton, NJ| **Nov.2016-Present**

❖ Created and built my award winning business and brand as a financial literacy consultant that educates and helps the LGBTQ, heavily focused on the transgender community.

❖ Served and empowered over one thousand LGBTQ individuals globally to establish wealth through personal finance, strategic budgeting, custom saving, and debt repayment plans by facilitating workshops, hosting online courses, speaking engagements, college curriculums, authored a workbook, tax preparation, and social media marketing.

❖ Acquired over 250 new clients through calculated self-marketing and networked with high-profile social media industry players to keep abreast of industry trends to foster new connections.

JMAT SUPPLY

Financial Project Manager |Hopewell, NJ| **Feb.2019 - May.2019**

❖ Managed and led projects combined with value at $200k through all stages. Interpreted project specifications by understanding engineering principles, practicing creating quotes, and performing quantity take-offs in a fast-paced environment while increasing productivity by 25%.

❖ Analyzed and organized the company's operations system and reviewed revenue goals to help process payments, pay bills and file quarterly taxes two weeks before deadlines. Oversaw compliances with safety policies, equipment utilization and addressed and solved non-compliance among all employees, contractors, and vendors by holding them accountable to their agreements and contracts.

❖ Fostered excellent working and increased professional relationships with the clients, representatives, and other field inspectors by 15%.

UNITED PARCEL SERVICE, UPS

Assistant Operations Manager |Geneva, NY| **Jun.2012 - Aug.2013**

❖ Entrusted to supervise a team of 20 plus members to direct daily trans-load activities to support account objectives for level of service, cost management, customer expectations, and volume requirements that increased productivity by 30%.

❖ Manged employee scheduling and gained experience in handling employee union procedures on topics of disciplinary action while working under a stressful and pressure-filled environment while acquiring multiple logistic and safety certifications within the company.

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EDUCATION

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DATA SCIENCE IMMERSIVE

General Assembly |Remote| Dec.2021 - Present

M.S FINANCE

Pace University Lubin's School of Business |New York, NY| 2017 - 2018

Relevant Coursework: Portfolio Management Theory, Investments & Capital Markets | Investment Banking | Mergers & Acquisitions | Quantitative Methods & Qualitative Analysis

B.S CIVIL ENGINEERING TECHNOLOGY

Rochester Institute of Technology |Rochester, NY| 2007 - 2012

ACHIEVEMENTS

CNBC/ACORN FEATURE 2022

[The Trans Capitalist Segment](#)

Forbes Transgender People of Color Entrepreneurs List

[Forbe's List](#)

LEADERSHIP AND VOLUNTEER EXPERIENCE

Board Member Treasurer of META Center Inc | Board Member of Toastmaster International Speak Up Princeton, NJ club | Member of National LGBT Chamber of Commerce (NGLCC) | Voracious reader | Boxing & Martial Arts | Dog Dad