

ADRIENNE MOK

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SUMMARY

Highly motivated and detail-oriented individual with over 5 years of experience in data analytics. Experience working with big data to analyze performance and help stakeholders make data-driven decisions operationally. Adept at providing innovative solutions in terms of automating the processing of big data and providing on-demand analytics through the use of various programmatic approaches (SAS, R, Python, etc.).

EDUCATION

JOHNS HOPKINS – WHITING SCHOOL OF ENGINEERING

MS Data Science

2018 - PRESENT

GPA 4.0

UNIVERSITY OF CALIFORNIA, LOS ANGELES

BS Mathematics of Computation

2014 - 2018

SKILLS

LANGUAGES: C++, Python, R, SQL, HTML/CSS, JavaScript, VBS, DAX

SOFTWARE TOOLS: SAS, WebGL, Arduino

VISUALIZATION TOOLS: SAS Visual Analytics, Power BI, ArcGIS/Esri

OFFICE: Excel, Access, Word, PowerPoint, Outlook

WORK EXPERIENCE

SOUTHERN CALIFORNIA EDISON (DATA SCIENTIST)

2018 – PRESENT

- Created various programs in R to query data directly from REST APIs, granting individuals access to weather data every 10 minutes and allowing them to make business critical decisions during Public Safety Power Shutoff (PSPS) events.
- Constructed innovative solutions to merge 10-minute weather data with asset data without magnifying the dataset to a colossal size. Ordinarily this would have an enormous tax on memory and resources when processing. Used a combination of processing in R, SAS, and DAX in Power BI to eliminate the drain on resources and avoid loading an unrealistic amount of data into visualization tools without compromising users' interactions with the data.
- Built an automated process that merges the output of various predictive models to assess the risk of assets
- Experience creating visualizations and dashboards in ArcGIS/Esri in order to conduct spatial analyses
- Automated the reporting process through complex SQL queries in SAS Enterprise Guide, enabling users to have access to self-serve advanced analytics. Built forecasting into reports to allow users to predict future performance. Incorporated various statistical analyses within dashboards, such as trend analyses, correlation analyses, regression, and control charts to help the business understand key drivers behind performance.
- Used macros and efficient programming practices within SAS Enterprise Guide to ensure optimal performance.
- Created stored processes capable of querying over 30 million records and handling these tables as the records grow over time. Stored process effectively reduced the running time from 5 minutes to 2 seconds, allowing users to filter the data for specified parameters and receive results within seconds, lending to a greater user experience.
- Commitment to working with different teams, understanding their business needs, and collaborating together to find the best approach in automating their processes.
- Presented at multiple SAS User Group Forums, sharing new and innovative approaches to automation problems that leverage the technology and software available.

SOUTHERN CALIFORNIA EDISON (TECHNICAL SPECIALIST)

2018

- Developed complex SQL queries and programs in SAS Enterprise Guide to efficiently manipulate large datasets with millions of rows
- Integrated SAS Enterprise Guide programs with SAS Visual Analytics to automate the reporting process and create compelling data visualizations.

SOUTHERN CALIFORNIA EDISON (ANALYTICS & REPORTING INTERN)

2017 - 2018

- Cleaned, validated, and conducted analyses on large datasets in Excel, Access, R, and SAS.
- Streamlined reporting by creating a completely automated process through VBScripts and SAS programs, eliminating the manual nature of monthly reporting and allowing users to access reports daily

NGUYEN & MOK MEDICAL GROUP (SUPPORT ASSISTANT)

2010 - 2014

- Helped clinic assess and manage inventory through the use of Access and Excel. Increased efficiency and reduced manual labor by developing complex formulas in Excel. Created comprehensible and informative visuals to help drive decisions.
- Conducted analyses in R and Excel that assessed the influx of patients at various times during the day, helping to identify peak waiting times so that the appropriate resources could be arranged
- Assisted with record management and data validation, ensuring that data was clean