Jasim Azizi

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Education

The University of Texas at Austin   Class of 2023
Bachelor of Science, Major in Mathematics | Minors in i) Computer Science, and ii) Business Administration
Certificate in Scientific Computation and Data Sciences

Skills

- Software Engineering: Data Structures and Algorithms, Python, Java, Git, Ubuntu, Linux, Bash, Vim, HTML5, CSS3, JavaScript, Responsive Design, API Utilization, capability to design or mobile and web pages including UX/UI.
- Data Science: Statistical Analysis, Google Colab, Jupyter Notebook, SQL, R, Time-Series, ML Clustering.
- Extra: MS Office Suites, Adobe Suite, Corel Draw, Hands-on experience with AWS and GCP.

Work Experience

Highland Learning Lab, Austin, TX   06/2022 – Present
Data Specialist   Austin, TX
- Develop dashboards and data visualizations using SQL and Python for leadership to improve infrastructure visibility. Conduct analysis on student and faculty data aiding in operational assessment of the Learning Lab using MS Excel and Google Colab. Lead initiatives in curriculum, funding asks, and tutor satisfaction.
- Assist a diverse Learning Lab and 6–14 tutors. Mentor students in STEM or Business fields. Seldomly help with IT tasks.

Amazon / AWS   06/2021 – 08/2021
Solutions Architect Internship   Dallas, TX
- Obtained AWS Cloud Practitioner certificate (Validation Code: *CJPKEB1LGBVQ10GG*, Exp. July 2024)
- AWSome Builder Lite Project: Developed architectural diagram, PR/FAQ, and working prototype of a proof of concept. Transferred on-premises data to the cloud using AWS Management Console services. Optimized Nautilus' cost for ~500GB/customer in a 5-year cycle. Ensured secure and reliable data transfer, safeguarding client from hardware issues while expanding access to additional cloud services. Forecasted customer growth to reduce costs for AWS S3 Standard-IA, Glacier, and cross-regional replication. Ran final demo and presentation.
- ChatBot Artificial Intelligence (AI) Project: automated dialogues using AWS EC2 and Lambda via Amazon Lex.

Apogee Telecom Inc., Austin, TX   07/2019 – 09/2020
IT Support and Customer Specialist   Austin, TX
- Provided real-time troubleshooting addressed needs of 15+ clients daily via verbal communication through Five9.
- Remotely communicated with Apogee's technical support leads via CISCO AnyConnect SM Client and MS Teams.
- Assessed system efficiency using ServiceNow, reviewing diagnostics and managing client records.

WP Engine, Austin, TX   03/2017 – 05/2019
Business Intelligence Developer   Austin, TX
- Maintained business intelligence tool, developed product roadmaps, and participated in Agile ceremonies. Generated reports generation on customers, finances, sales, and support to enhance business functionality. Contributed to application development using Visual Studio (JavaScript, PHP) and Sequel Pro (SQL).
- Utilized Zendesk for task management, enhancing customer experience by providing agile customer support before biweekly sprints. Resulted in quicker issue resolution and efficient agent deployment with fewer resources.

Recent Projects

Cryptocurrency and Stock Price Forecast Research Paper
- Explored raw financial CSV files from Yahoo! Finance for Dogecoin cryptocurrency, utilizing Mean Average Percentage Error (MAPE) for error measurement decomposing time-series processes.
- Analyzed trends and seasonality in price using Google Colab, R-Studio, and Meta's deterministic model Prophet, with consideration of changepoints. Identified positive trends in the forecast.
- Used SQL, Python, and R with libraries including Pandas, Colorama, PyStan, Ephem, Matplotlib Pyplot, Seaborn, NumPy, and Datetime. Upon changing the variables and the ticker symbols, any stock or cryptocurrency can be projected.

Social Media Data Visualization
- Developed interactive dashboards displaying social media site popularity and demographics over time. Collaborated in a 3-person team to collect, cleanse, and analyze data from PEW surveys.
- Used Vega-Altair for declarative statistical visualizations. Presented findings to audiences of 40+ as a team.

Using Stents to Prevent Strokes
- Collaborated in a 4-person team to assess stent efficacy in stroke prevention. Total 451 patients, and treatment group (stent) incidence: 20%, while control group incidence: 12%. Used two-sample confidence interval and z-test analysis using R Studio