Dennis Liu

✉ dennis.liu9@gmail.com   **in** dennisliu9   ⬡ dennisliu9

SKILLS

Strong

JavaScript | HTML5 | CSS3 | SQL *(T-SQL for SQL Server)*

Experienced

Python *(PySpark/Databricks, pandas, Streamlit)* | Excel *(VBA)*

APPLICATIONS DEVELOPED

NapkinNotes (Solo project) 🔗

A full stack web app for coders to illustrate code ideas

- Developed drawing application that converts mouse movement to drawn lines using React
- Designed text tool that converts user input into rendered Markdown with code syntax highlighting

Where Do I.Art? (Solo project) 🔗

A web app for the art curious to discover what art they enjoy

- Implemented responsive artwork display by caching AJAX calls to public API, significantly cutting down loading times
- Developed interactive, live-updated gallery pane with responsive expand ability using CSS and JavaScript
- Prepared app design by creating wireframes using Figma to ensure experience cohesiveness and reduce technical debt

PROFESSIONAL EXPERIENCE

Data Scientist/Data Analyst III   12/2019 – 05/2022

CorVel Corporation   Irvine, CA

- Communicated with domain experts and database administrators through feature engineering process to develop claim litigation prediction model
- Presented model training results to nontechnical business operations leaders for implementation approval using simplified explanations of the statistical concepts

Data Analyst I, II   12/2016 – 12/2019

CorVel Corporation   Irvine, CA

- Designed and wrote ELT (extract-load-transform) process for new profit-generating product loading over 100 million records per month in PySpark and SQL using Azure Databricks and Azure SQL Data Warehouse with C-Level visibility
- Standardized process for quarterly report requested by one of CorVel's largest clients, minimizing errors while achieving a 75% reduction in working hours
- Developed SQL-fed Excel reporting for customer auditing team that consolidated multiple sources of information and streamlined processes, saving more than 600 hours

EDUCATION

Full-Immersion Web Development Program   05/2022 – 08/2022

LearningFuze   Irvine, CA

800+ hours of programming over the course of 14 weeks

Bachelor of Arts, Astronomy-Physics   08/2011 – 05/2015

Colgate University   Hamilton, NY

Dean's Award for Academic Excellence

Phi Eta Sigma National Honor Society