

PRESTON C. SLANE

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PROFESSIONAL EXPERIENCE

Data Analyst

August 2018 - Present

MCUSA Consulting LLC | Bellingham, WA

- Perform geographic market-share analysis in Excel to determine facility hotspots, reducing in-house costs by over 20% each campaign
 - Involves use of power query for sourcing data, and advanced formulae/pivot tables for analysis
- Manage data process for monthly mail lists in Excel, the primary source of client and patient contact
 - Streamlined via Macro implementation, strong Microsoft Excel knowledge
- Design presentable maps and data visualizations for newsletter distributions (frequent tools used include Excel, Tableau, Python)
- Drafted & actively maintain operations dashboards via Tableau and Excel, highlighting relevant KPIs
- Created choropleth map webapp using JavaScript, HTML/CSS and GitHub, sourcing data from GIS shapefiles & internal data, which increased agent response-times by 15%

RELEVANT PROJECTS

Rubik's Cube Competition Analysis | Python, SQL

Public Forum | Monthly Data Visualization Competition

- Wrote queries to analyze WCA database schema, explore data tables & relationships, and pull final dataset for visualization. SQL database
 - Implemented joins, aggregate functions, and subqueries, on 2mil+ rows of data
- Utilizing Python's Plotly library, drafted & styled 3 different visuals for a dashboard. The main an interactive time-series scatterplot, parsed with date on x-axis and time on y axis.
- Put project together in a .HTML page, and self-hosted from GitHub

Electoral College Analysis | Microsoft Excel

- Sourcing data from multiple web pages, performed the full analysis process of manipulation, analysis, and visualization resulting in a stylish and informative dashboard
- Utilizing formulae (i.e. index(match()) and arithmetic) organized all data into final table, and performed light analysis to determine voter weight between states
- Implemented choropleth map as well as annotated bar charts to effectively communicate findings

EDUCATION

Bachelor of Science, Applied Mathematics

August 2018

Minor, Economics

Western Washington University | Bellingham, WA

Master of Science, Analytics

Expected graduation: Spring 2022

Georgia Institute of Technology

RELEVANT SKILLS

- Languages - Python | SQL | JavaScript | HTML | CSS
- Software – Microsoft Excel (Advanced) | Tableau | PowerBI