

# PRESTON C. SLANE

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## PROFESSIONAL EXPERIENCE

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### Data Analyst

August 2018 - Present

*MedicareCompareUSA* | Bellingham, WA

- Routinely perform geographic market-share analysis to determine facility hotspots, reducing in-house costs by over 15% each campaign. Microsoft Excel, SQL
  - Involves power query for sourcing CMS 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
  - Involves querying Five9 CRM for desired data
- Created choropleth map webapp using JavaScript, HTML/CSS and GitHub, sourcing data from GIS shapefiles & internal data, which increases agent response-time and accuracy

## RELEVANT PROJECTS

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### Rubik's Cube Competition Analysis | Python, SQL, Jupyter Notebook

- Performed exploratory analysis and visualization of the WCA database using Jupyter Notebooks
- Extensively queried multiple tables using SQL to both create data tables and gather high-level insights
  - Thorough understanding of SQL queries (execution order, joins, subqueries, aggregations)
- Utilized Seaborn to generate charts supporting analysis. Aggregate bar charts, scatter plots, etc.
- Discovered insights such as fastest solve-times per event, geographic distribution of competitors and competitions, top countries of origin for prolific competitors, and of course 3x3x3 historical solve-times

### COVID19 County-level Dashboard (Cases & Deaths) | Tableau, Python

- Sourcing data from NY Times GitHub repository, designed and published an updating interactive dashboard via Tableau Public
- Wrote Python script to pull, clean, and refresh the data for visualization. Involved advanced dataframe manipulations as well as formatting for Tableau
- While reporting data for both cases and deaths, allows user to trends and total impact over time
- Implemented dynamic geographic filtering for states and counties

## EDUCATION

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### Master of Science, Analytics

*Georgia Institute of Technology*

Expected graduation: Spring 2022

### Bachelor of Science, Applied Mathematics

Minor, Economics

*Western Washington University* | Bellingham, WA

August 2018

## RELEVANT SKILLS

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