

Anthony Ngon

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Experience

Optum

Data Engineer

Jul 2022 – June 2025

- Engineered automated ETL pipelines using Python and SQL to process and categorize hundreds of daily Medicare claims, creating segmented audiences for targeted marketing campaigns
- Developed and deployed interactive dashboards in Tableau and Databricks, enabling marketing teams to track campaign performance and gain actionable insights into member acquisition trends.
- Accelerated the deployment of new marketing analytics projects by strengthening the team's data framework with a library of reusable Python utility functions
- Utilized Azure Data Factory to build robust data pipelines that automated the delivery of validated data, ensuring timely support for multi-channel marketing operations
- Collaborated with software engineer and analysts to gather and understand data requirements, ensuring alignment with business objectives
- Mentored and onboarded new junior team members, ensuring a smooth transition into the team by providing comprehensive training and support. Acted as the primary point of contact for all inquiries, fostering an open and approachable environment

Technological Skills

Computer Languages: Python, Scala, Java, C++, JavaScript, HTML/CSS

Databases: Oracle, Postgres, MySQL, Snowflake

Libraries: Apache Spark, Kafka, Panda, Matplotlib, BeautifulSoup, Plotly

Cloud: Azure, Google Cloud, AWS, Kubernetes

DevOps & Testing Tools: Jenkins, Docker, Terraform, Selenium, JUnit

Certs: DP-900: Microsoft Azure Data Fundamentals

Projects

Counties Population Choropleth Map

- Utilized Python and the Pandas library to parse, clean, and unstructured U.S. county population data sourced from the U.S. Census Bureau.
- Developed a time-series choropleth map using Plotly and Matplotlib to visualize population changes from 2010 to 2019, effectively highlighting demographic trends.

Campus Navigation

- Engineered a campus navigation application featuring an interactive user interface to help students and visitors locate unfamiliar buildings on campus.
- Integrated a real-time campus events feed by developing a web scraper with Python and BeautifulSoup to ensure users had access to accurate information
- Implemented a shortest-path algorithm to calculate and display the most efficient routes between two campus locations.

Education

Bachelor of Science of Computer Science

California State University Fullerton