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# Nick Silva, CPA

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## PORTFOLIO

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**Github**, <https://github.com/NickS-97>

- Includes various projects including a web-crawler and as well as EDA performed on the famous Titanic dataset

**Skyscanner**, <https://www.nicksilvadata.info/projects-1/skyscanner>

November 2021- December 2022

*Independent Project*

- Developed an automated ETL process using python and SQL that scans flights overhead (using a raspberry pi and piaware software) and augments the flight number with data (such as the origination, destination, etc.) from multiple flight APIs
- Designed and deployed a relational database on the Google SQL Cloud platform for storage of the above data. Over 10,000 rows are added to the main table in the database per day. Query the main database table and visualize the data using Power BI to monitor the performance of the skyscanner pipeline as well as identify outliers in the data

**The Transfer Network**, <https://transfernetnetwork.herokuapp.com/>

December 2020

*Independent Project*

- Utilized various API calls to collect data from API-Football. Cleaned and manipulated data using the Python Pandas Library to develop a useful visualization of the global movement of soccer players from the world's top leagues
- Developed an interactive visualization using Plotly/Dash and deployed online using Heroku
- Supplemented formal education with self-taught learning to troubleshoot challenges as they arose

## PROFESSIONAL EXPERIENCE

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**Deloitte**

*Senior Data Specialist; San Diego, CA*

March 2022- October 2023

- Perform data cleaning and transformation procedures using Python, Excel, and Trifacta (owned by Alteryx) over dataset extracts from various ERP systems (such as SAP, Oracle, NetSuite, etc.) and load into testing software
- Aided audit teams with testing of client data by building dashboards in Tableau to visualize client revenue data and draw insights into customer retention. Automated data cleaning for clients using Python
- Led client IT departments through the installation of Informatica Secure Agent software. Trained the client IT and accounting departments on how to use the software integrated with Deloitte's platform
- Manage various project management responsibilities, such as coordinating with end users of the data to determine project requirements and deadlines, training junior team members, and delegating work tasks
- Extract raw data from client ERP systems using SQL-based logic. Research additional extraction opportunities by re-creating the Oracle relational database structure for client revenue data and performing SQL queries on the dataset using Python SQLite3.

*Audit Senior Associate; Las Vegas, NV*

November 2021- March 2022

- Assume project management responsibilities in addition to individual work assignments. Provide oversight on individual testing areas to ensure that work is being performed in a timely manner and to identify and address challenges before they arise
- Critically assessed client's 5-year projections within the context of current US and UK economic and market conditions as part of testing the company's goodwill balance. Discuss in detail with the client aspects of the projections that did not align with independently developed expectations

*Audit Senior Assistant; Las Vegas, NV*

September 2020- November 2021

- Designed revenue testing procedures for a new revenue balance comprised of multiple revenue streams with various performance obligations. Research relevant ASC 606 considerations to appropriately assess the reasonableness of individual transactions. Coordinate with client to obtain numerous supporting documents for over 70 revenue transactions spanning a two-year period in a timely fashion

## EDUCATION

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**University of Southern California**, Los Angeles, CA

August 2020

- Master of Accounting with an Emphasis in Data Analytics*

**Gonzaga University**, Spokane, WA

May 2019

- Bachelor of Business Administration, Accounting and Business Administration Majors*