

Andrew Schell

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SUMMARY

Data Modeling | SQL Analytics | Tableau Dashboards

EXPERIENCE

Volunteer, Puget Sound Python Users Group

Seattle PuPPy, Galvanize

March 2015 – October 2023, US, WA, Seattle

- Improved retention +30% by teaching best practices, reducing the learning curve as a data science mentor.

Data Analytics Lead

Recruiterless.ai

July 2021 – December 2022, US, WA, Seattle

- Wrote Python backend to automate 62% of the recruiting process with 91.8% resume data accuracy with BERT NLP.
- Optimized AWS pipeline, saving the company \$146,000, and managed a team of five with weekly virtual standups.
- Developed \$116M in five new revenue channels based on interview data with 23 HrTech CEOs.

Data Science Analyst

Your Data Talking

October 2014 – July 2021, US, WA, Seattle

- Created data ETL pipeline to automate SQL cleaning and wrote HR analytics that reduced employee turnover by 44%.
- Rewrote backend analytics system to automate Google Analytics, saving 9 hours a week of data preparation.
- Partnered with business owners to reducing layoffs 41% and improved retention 203% with data-driven metrics.

Archive Assistant, Secretary of State

Washington State Historical Archives

September 2019 – June 2020, US, WA, Seattle

- Improved archivist output +20% with more efficient document research and retrieval as a student intern.
- I researched computer vision and NLP architecture to digitize historical documents for online access.

Data Analyst

Lifespan Bioscience

September 2017 – March 2018, US, WA, Seattle

- Wrote backend script to reduce weekly software update merge time by 400% with pytest and version control.
- Rewrote clustering algorithm to 91% accuracy via Supervised Learning based on NCBI and SQL server database.
- Engineered ML pipeline for ELISA, Immunoassay, Protein, BioChemical, mono and polyclonal antibody research.

Salesforce Admin/Developer

Presbyterian Senior Services

January 2015 – March 2017, US, NY, New York

- Migrated 10,000+ HIPPA records from Access data into Salesforce using unit test pytest via Python, saving \$63,000.
- Enhanced patient onboarding speed by 148% interface in partnership with HIPAA Nurse-Patient Communication.

Data Analyst

SPROXIL

September 2015 – June 2016, US, MA, Boston

- Analyzed customer time series buying patterns, leading to a 312% increase in website engagement.
- Wrote an automated SQL script to reduce errors of attribution by 41% for Google Analytics data.
- Rectified gender attribution errors in Google Analytics and SQL database, saving 71% of marketing waste.

Financial Advisor

Country Financial

October 2007 – May 2014, US, WA, Bellevue

- Improved sales "call to close" ratio by 262.5% with Reinforcement learning and multivariate underwriting risk model.
- Reduced client churn 38% and improved Net Promoter Score by 188% from 3.9 to 8.1 on 482 B2B/B2C accounts.

EDUCATION

MicroMasters of Statistics and Data Science

Massachusetts Institute of Technology • Edx Online • 2025

- Design, build and analysis of data science, statistics, and machine learning to extract meaningful information by data-driven predictions

Databases RDBMS and SQL

StanfordOnline: • 2024

SQL Indexes and Transactions, Constraints and Triggers, Views and Authorization for data cleaning, ETL and analytics

Bachelor of Applied Science Data Analytics

Bellevue College • Bellevue Wa • 2022
