

Colin Arndt

☎ 858.281.3748 | ✉ colin.f.arndt@gmail.com | Charlotte, NC
🌐 linkedin.com/in/colinarndt | 🐙 github.com/colinarndt

SUMMARY

Developer with Data Science skillset and diverse IT background. Recent highlights include migrating applications to AWS, automation of data QA testing, productionalizing report pipelines, as well as mentorship and technical team leadership. Currently finishing MSc in Data Science with the University of London, on track to graduate with distinction in March 2024. Coursework in Applied statistics, Linear algebra, Regression analysis, Machine learning, Big data, Neural networks, Data visualization, Financial markets and modeling, and Blockchain programming.

Top Skills: Cloud migrations, OOP, SDLC, Automation, Financial data modelling, AI & Machine learning, Mentoring

Technologies: Python, SQL (Microsoft and Oracle), AWS, Snowflake, Docker, Spark, Linux, Perl, BASH, Git

PROFESSIONAL EXPERIENCE

Nuveen

Charlotte, NC

Technical Associate, Developer

Jan. 2022 – Present

- Developed in-house data comparison tool in Python to automate data testing for NDW migration from Oracle to Snowflake, capable of efficiently validating millions of rows from daily batch loads, now in use by multiple teams.
- Migrated a legacy accounting application to AWS and developed a dashboard in QuickSight for querying archived data, saving over \$25,000 annually.
- Socialized above applications in 2 separate Feast your Mind sessions to 200 total associates in Nuveen Tech, and consulted others how to implement in their teams.
- Developed and productionalized a key report showing debt leverages of LevFin portfolio companies, allowing PMs to evaluate holding health on a weekly basis, after working with API vendor to enhance data richness.
- Maintained Front Office Equity PM applications in Python and Perl.
- As councilmember for the Technical Associate program, oversaw TA mentorship program and sent regular surveys to assess associate experience.
- Developing a SharePoint site for the TA program to improve outcomes for all stakeholders: technical associates, business liaisons and people leaders.

Pilates on Harrison

Remote

Marketing and Analytics Director, Partner

Nov. 2018 – May 2021

- Set business KPIs and implemented marketing strategy resulting in 2x online subscribers over 5 months.
- Advised on company rebrand including updated mission and vision.
- Offered partnership share due to business results and ownership mentality.

Mac Tonic

Eugene, OR

Lead Technician, Manager

Nov. 2015 – Sept. 2019

- Hired and trained 5-member technician team, fostering a culture of inclusion and respect for all types of people.
- Automated and streamlined diagnostic procedures, yielding higher service profits and lower turnaround times.
- Overhauled service documentation system resulting in lower incidence of customer issue recurrence.

ACADEMIC HIGHLIGHTS

Assessing the 60-40 Portfolio Allocation by Examining US Stock and Bond Returns since 1793

- Implemented a portfolio simulator based on inflation-adjusted returns over 35-year accumulation periods.
- Built a variety of interactive plots to present insights into market history as well as retirement portfolio simulations.

Predicting Real Estate Prices with Deep Learning

- Engineered a neural network layer-by-layer in TensorFlow to predict real estate valuations based on public data.
- Wrote an optimization algorithm to select the best model parameters.