

Nicholas Seah

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Data Scientist

Data Scientist with a background in Industrial Engineering. 3+ Years of experience driving process improvement initiatives using AI and Machine Learning techniques, resulting in \$2M+ in savings per year.

WORK EXPERIENCE

Leslie's Pool Supply • Phoenix • 02/2022 – Present

Senior Analyst – Advanced Analytics • Full-time

- Developed a tree-based model to identify erroneous transportation charges resulting in \$700K+ in savings.
- Engineered a model to predict labor needs resulting in \$1M+ in savings.
- Designed, Developed, and Implemented a new Labor-Management Process, resulting in an 11% improvement in cost per unit.

Supply Chain Analyst • Full-time

- Automated 50+ reports by leveraging, PowerBI, Snowflake, SQL, and Python resulting in \$2M+ in savings.

Arizona State University • Tempe • 05/2020 – 12/2021

Information Systems Engineering TA

- Taught SQL and database design to a class of 80 engineering undergraduate students. Responsible for writing and grading exams.

Graduate Student Researcher • Full-time

- Developed a Digital Twin simulation using AnyLogic, Python, and JavaScript to run experiments to maximize throughput and run what-if scenarios for Intel.
- Created a discrete-event simulation model to guide COVID-19 intervention efforts in Arizona for the National Science Foundation.

CERTIFICATIONS

Lean Six Sigma Green Belt (ICGB) • 12/2020 – Present

Ira A. Fulton Schools of Engineering at Arizona State University

PUBLICATIONS

Migraine is Associate with a Higher Prevalence of Ischemic and Hemorrhagic Stroke: An Analysis of the All of Us Database •

08/2024

Headache

SKILLS

AI, C, C++, Data Mining, Deep Learning, JavaScript, Machine Learning, MATLAB, Optimization, PowerBI, Python, SQL

EDUCATION

M.S. Data Science, Analytics, and Engineering in Computing and Decision Analytics

Ira A. Fulton Schools of Engineering at Arizona State University

Tempe

08/2023 – 12/2024

Master's Thesis:

Designed and implemented a Deep Causal Learning model to predict stroke risk and identify cause-and-effect relationships in migraine patients.

B.S.E. Industrial Engineering

Ira A. Fulton Schools of Engineering at Arizona State University

Tempe

01/2016 – 12/2020