

COOPER WILLIAMS

Data Analyst | Data Scientist | Data Manager

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 München, DE

 [LinkedIn Profile](#)

 American

ABOUT ME

Results-driven **Data Scientist and Analyst** with **5+ years** of experience in data migration, algorithm development, and analytics. Skilled in Python, R, SQL, and AWS to transform complex datasets into strategic insights that drive efficiency and innovation. Experience in healthcare data integration and research-driven solutions, ensuring compliance while optimizing workflows. Strong technical expertise combined with a structured, analytical mindset to excel in precision-driven environments, delivering data-driven solutions that enhance decision-making and business performance.

EDUCATION

Masters in Information Systems (MSIS)

Syracuse University, School of Information Studies (iSchool), Syracuse, NY

Summa Cum Laude Honors Graduate: 3.95 GPA US / 1,05 GPA DE (August 2020 – August 2023)

Relevant Coursework: Data Visualization with R-Studio, Quantitative Reasoning Data Science, Database Administration Concepts and Design, Human Interaction with Computers, Information Systems Analysis, Information Management Technology and Policy, Research Methods, Theories of Digital Technology

Bachelors of Business Administration (BBA)

Business Institute of Westchester, College of Westchester, White Plains, NY

Magna Cum Laude Honors Graduate: 3.80 GPA US / 1,20 GPA DE (September 2015 – September 2018)

Relevant Coursework: Project Management, Database Applications, Statistics, College Mathematics, Microsoft Office Applications (Excel, Word, PowerPoint, Publisher, Access), Marketing Management, Business Processes Analysis, Operations Management, Research Seminar, Business Communications, and Research Methods

LANGUAGES

- English – Native Language
- German – Speak, Read, and Write with B1.1 competency and proficiency. Currently enrolled at Volkshochschule

PROFESSIONAL EXPERIENCE

Sept 2023 - Dec 2023

Clinical Data Integration Specialist/Data Abtractor

Westchester Medical Center Network, West Nyack, NY

- Led the migration of **50,000+** medical records from EPIC and Ellkay to Cerner, ensuring seamless data transfer and HIPAA compliance.
- Processed **50–55 records** daily for eight healthcare providers, maintaining accuracy and efficiency.
- Ensured strict confidentiality of patient data, adhering to security protocols and privacy regulations.
- Maintained compliance with health safety standards, enforcing PPE use, hand hygiene, and a sanitized environment.
- Strengthened team collaboration by coordinating with **50+ colleagues**, enhancing workflow efficiency and synergy.

May 2023 - Aug 2024

iConsult & Phairify Inc Data Analyst/Scientist Intern

Syracuse University/Phairify Inc, Syracuse, NY

- Developed a dynamic geography rank-ordering solution using R-Studio, Python, and AWS, tailoring benchmarking data for **75,000+ users' preferences**.
- Enhanced Phairify's matching algorithm with a team of six, improving job match accuracy and market value insights for employers and recruiters.
- Led physician data aggregation and visualization, transforming performance evaluation and job matching for healthcare professionals.
- Integrated geographic algorithm into Phairify, presenting results at Syracuse University's Data Science Day. Currently advancing the project using AWS and SQL.

Sept 2022 - Sept 2023

Pathways Graduate Research Assistant

Syracuse University, Syracuse, NY

- Conducted in-depth research on challenges faced by library professionals in New York State, collaborating with a team of four researchers.
- Interviewed **20+ participants**, ensuring confidentiality by manually transcribing and anonymizing data.
- Utilized advanced tools like Excel, R-Studio, and Qualtrics to analyze data, identify trends, and extract actionable insights.

Sept 2020 - Aug 2022

Syracuse University PhD REDF Fellow

Syracuse, NY

- Mentored and guided PhD students, supporting their research pursuits and fostering intellectual growth.
- Applied advanced methodologies and tools, including R-Studio and Qualtrics, while conducting research aimed at journal publication.
- Explored the intersection of technology, aging, and healthcare to uncover key insights and address critical challenges.

TECHNICAL SKILLS

Data Management: SQL, EPIC

Systems, Cerner Systems, EllKay,
Azure, Docker, FigJam

Data Analysis: R-Studio, Python, SQL

Data Visualization: R-Studio, Tableau

Data Collection: Qualtrics, M-Turk

Microsoft Office Applications:

PowerPoint, Word, Excel, Publisher

OTHER SKILLS

- Project Management
- Research
- Presentations
- Documentation and Reports
- Technical Curiosity
- Fast Learner
- Team Player
- Able to Work Under Pressure

April
2019
-
Dec
2020

Event Coordinator/RSVP Liason

HealthSTAR Communications (Now Propel Health), Mahwah, NJ

- Orchestrated high-profile business conferences and events, managing all aspects from venue selection to execution and cleanup for top clients like Bristol Myers Squibb, Takeda Pharmaceuticals, and Sanofi Healthcare.
- Managed **25-50** financial transactions within a **\$1,000 budget** per event, delivering exceptional results while ensuring cost-efficiency.
- Utilized proprietary software to register **25+ patients** and healthcare providers daily, acting as a reliable point of contact and addressing concerns promptly.

June
2018
-
July
2019

iSchool Inclusion Institute Researcher

Austin, TX

- Conducted comprehensive research on virtual reality, exploring its evolving definitions through a mixed-methods data collection and analysis approach.
- Utilized a range of research tools, including R-Studio, Overleaf, MTurk, Qualtrics, Excel, and FigJam, to execute the project efficiently.
- Collaborated remotely with a diverse team of four researchers across the U.S., working under the mentorship of Elissa Redmiles.