

Jordan Yiu

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Education

Master of Information – Data Science	August 2024
Rutgers University – School of Communication & Information	
Courses: Data Analytics, Problem Solving with Data, Machine Learning, Database Design & Management	
Coding Languages/Libraries: Python, R, SQL,	
Bachelor of Arts – Music Education & Music Performance, Cello	May 2020
Rutgers University – Mason Gross School of the Arts	

Certificates

Certificate of Eligibility with Advanced Standing (C.E.A.S)	August 2020
New Jersey Department of Education	

Skills

Computing:
Languages: Python, SQL, R, STATA
Tools: git, bash,
Music:
Performance: Orchestra, Chamber, Theater Pit, Opera Pit, Studio Sessions
Education: Classroom Teaching, Lesson Plan Writing, Private Lessons, Chamber Coaching

Experience

Research Analyst/Application Developer	April 2025 – Present
Rutgers University – Mason Gross School of the Arts	
Office of the Director of Research, Head of Music Education	
<ul style="list-style-type: none">• Develop data pipelines, scripts for data mining, processing, and conduct normal database management.• Create a database of schools’ information for end-user researchers for survey sending and survey recording.<ul style="list-style-type: none">◦ Languages: SQL, Python, R, STATA, Git• Create test strategies, framework, and documentation for data processing layers and automation scripts.• Assist in processing and analysis of research data.• Approved by Institutional Review Board (IRB) and completed Research Training.	

Data Analyst

July 2022 – June 2024

University of Pennsylvania/Penn Medicine

Office of the Director of Business Development

Director: Kelly Abramson - kba3101@yahoo.com

Supervisor: Manuel de la Cruz Gutierrez – dmanuel@pobox.upenn.edu

Responsibilities:

Consulting, Analysis, and Reporting:

- Develop dashboards, data pipelines, scripts, and documentation for data mining and processing. Gather business requirements and write accompanying reports regarding data quality requirements for applications.
 - Languages/Libraries: Python, R, SQL, Pandas, Tableau
- Stakeholder/client-facing role to gather business needs, strategies, and marketing resources for university and healthcare administration.
- Analyze healthcare, documentation, and bibliometric data using SQL, Python, and Application Programming Interfaces (API) to identify business and research collaboration opportunities.
 - API's: [Dimcli](#), [SCOPUS](#)
 - Services: [H1 – HCP Universe](#), [Digital Science - Dimensions](#), [NIH - PubMed](#), [Elsevier - SCOPUS](#)
- Generate data visualizations as dashboard and presentation materials to report findings and analysis to stakeholders.

Projects:

- **[Environmental Innovations Initiative – Faculty Database](#)**
 - ETL bibliometric for all University of Pennsylvania and affiliated entities' publications. Analyze research topics, associated schools, and publication output to measure Penn's effectiveness in adhering to the United Nation's Sustainable Development Goals. Contributions credited under the "Acknowledgements" section.
- **[Cellicon Valley 2023](#)**
 - Curate an invite list of researchers and clinicians to be utilized for the Abramson Cancer Center's Cellicon Valley medical conference. Yielded over \$50,000 in savings for Penn by bypassing the need to purchase contact information from medical societies.
- **United Kingdom Outreach Pilot Program**
 - Conduct entity resolution by cross referencing publication and clinical data to identify researchers who have co-authored with Penn faculty to invite them for more co-authorship opportunities and conference admittance.
- **Social Media Analysis – Penn Hyperbaric Medicine**
 - Conduct an analysis of website design, user interface, and social media engagement statistics of Penn Medicine's Hyperbaric Medicine Department to increase marketing and recruitment materials. Develop documentation and strategies for the department after exiting the project.

Musician and Music Teacher

January 2014 - Present

Self-employed/Freelance

- Private music teacher in cello (primary), violin, viola, and piano in the Union/Morris County, New Jersey areas.
- Manage a studio of over twelve students across the skill spectrum, ranging from beginner to performing at Lincoln Center.
- Freelance musician for orchestras, community theaters, and private events. Regularly perform at venues such as: Count Basie Theater, The Strand Theater, Algonquin Center for the Arts, and Brook Arts Center.

Collaborative & Personal Projects

- Personal Dashboard/Digital Assistant
 - Develop a calendar, scheduling, and finance application to handle my roster of students, upcoming gigs, income, expenses, mileage, and tax information.
 - **Technology Used:** Python, Django, Pandas, SQL, Data Visualization