Jordan Yiu

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Education

Master of Information – Data Science	**August 2024**

Rutgers University – School of Communication & Information

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

Experience

**Data Analyst (Intern)	Remote**	**July 2022 – July 2024**

University of Pennsylvania/Penn Medicine

- Analyze publication and bibliometric data using Application Programming Interfaces (API) and Software as a Service (SAS) to identify business and research collaboration opportunities for University of Pennsylvania faculty
  - APIs: Dimcli, SCOPUS
  - SAS: H1 – HCP Universe, Digital Science - Dimensions, NIH - PubMed, Elsevier - SCOPUS
- Using Python and APIs, develop pipelines and scripts for gathering and processing bibliometric data
- Generate visualizations and reports on various topics for stakeholders, executives, department heads, and healthcare professionals
- Interface with multiple departments to assist on various projects in an analysis capacity

**Research Collaborator (Volunteer)	Remote**	**August 2024 - Present**

Rutgers University – Mason Gross School of the Arts

- Conduct and assist in statistical analysis, database creation, and data analysis for the Director of Research and Head of Music Education Department
- Create a database of schools and contact information for survey sending and survey results. Over 2,000 records have been collected and maintained so far

**Data Analyst and Development (Volunteer)	Remote**	**June 2024 – Present**

Southern Delaware Orchestra (SODELO)

- Conduct analysis on donations tracked through CRM to identify key donors, marketing potential, and outreach for the non-profit. Develop internal CRM software to eliminate dependency on SAS and save on costs.

Musician and Music Teacher   **January 2014 - Present**
Self-employed
- Private music teacher in cello (primary), violin, viola, and piano in the Union County, New Jersey area
- Manage a private studio of fifteen students. Students are of various skill ranges, some beginners and some participating in the New Jersey Youth Symphony, All State Orchestra, or performing at Lincoln Center
- Gigging musician for schools, community theaters, and private events. Performed at venues such as: Count Basie Theater, The Strand Theater, Algonquin Center for the Arts, and Brook Arts Center

Projects

University of Pennsylvania/Penn Medicine
- **Environmental Innovations Initiative – Faculty Database**
  - Retrieve bibliometric data from Dimensions and PubMed from all University of Pennsylvania and affiliated entities' publications. Clean data and analyze the data' research topics, associated schools, and publication output to quantify Penn's effectiveness in adhering to the United Nation's Sustainable Development Goals. My contributions are noted under the "Acknowledgements" section of the page
- **Cellicon Valley 2023**
  - Assist the Abramson Cancer Center's Business and Outreach Team in collecting clinicians' and researchers' contact information via HCP Universe to invite them to Cellicon Valley 2023. Yielded over $50,000 in savings for Penn by bypassing the need to purchase contact information from medical societies
- **United Kingdom Pilot Program**
  - Using Dimensions and PubMed to retrieve publication information, identify researchers who have co-authored with Penn faculty and obtain their contact information from H1's HCP Universe to send invitation for more co-authorship opportunities and conference admittance.
- **Social Media Analysis – Penn Hyperbaric Medicine**
  - Conduct qualitative and quantitative analysis of website design, user interface, and social media engagement statistics of Penn Medicine's Hyperbaric Medicine Department to increase marketing output. Develop strategies and analysis documentation for the department to take over after our team exited the project

Skills

Programming, Analysis, **and Product Development**
- Experienced: **Python, Pandas, PyPlot, R, SQL, Flask**
- Knowledgeable: **HTML/CSS, Label-Studio**