

CHRISTOPHER DENQ | DATA SCIENTIST

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SUMMARY

Early career data scientist with **1.5 years** in data analytics, machine learning, and database engineering. Industry background in art auction houses and technology instills **passion for data-driven narratives, customer-centered design, and strong product sense**. Self-taught transition from art history into data science demonstrates **grit, initiative, and commitment** to long-term projects.

EDUCATION

University of Pennsylvania | Philadelphia, PA

BA, Philosophy and Art History

May 2021

Self-Taught / Self-Guided Education | Online

Non-Degree, Mathematics and Computer Science

Aug 2020 – Mar 2022

- freeCodeCamp, TowardsDataScience, YouTube – Python, computer science, data analytics
- Foothill Community College | Los Altos, CA – statistics, linear algebra, calculus, discrete mathematics

General Assembly | Remote

Bootcamp Certification, Data Science Immersive

Mar 2023 – May 2023

SKILLS & FLUENCIES

- **Languages:** Python: Functional & OOP | HTML/CSS/JS | APIs | Git | Excel/VBA
- **Machine Learning:** Python: SKLearn, Tensorflow, Numpy, Scipy | Statistical Modeling | Experimentation
- **Analytics/Visualization:** Python: Pandas, Matplotlib, Seaborn | Tableau | Data Mining | Quantitative Analysis
- **Database, Cloud, DevOps:** SQL (PostgreSQL) | NoSQL (MongoDB) | Hadoop/Spark | Github Pages | AWS

DATA EXPERIENCE

Data Analyst Intern

Jun 2022 – Aug 2022

PNC Financial Services Group | Remote

- Created 8 data products (Python/SQL scripts, Tableau dashboards) to help visualize business capacity, performance, and risk
- Succeeded in saving \$375,000 via data-driven sight on loan pipeline for 8+ managers, 50+ teammates, 100k data points

Data Analytics Educator (Aggregated)

Sep 2021 – Nov 2022

2U – Trilogy Education Services, Wyzant.com | Remote

- Positions: Data Analytics Assistant Instructor @ 2U, Computer Science Tutor @ Wyzant.com
- Managed, taught, tutored data analytics and computer science curriculum for 300+ hours to 65 students
- Succeeded in helping 35+ students graduate (2U) and 25+ students raise scores by 2.7 letter grades (Wyzant)

Machine Learning Student Assistant

Nov 2021 – May 2022

AI-x Group, California State University: Northridge | Remote

PI: Prof. Wenchin Hsu

- Researched ML pedagogies and curriculum development for Prof Hsu's Spring 2023 graduate ML course
- Succeeded in delivering 280+ slides, 10+ Java-to-Python code conversion, and modeling mathematics in code

Art Data Analyst and Researcher (Aggregated)

Jan 2018 – Aug 2020

Christie's Auctions & Private Sales, etc. | New York, NY; Philadelphia, PA; Remote

- Positions: Art Analyst @ Christie's, Art Researcher @ KappKapp Gallery, Art Acquisitions @ Philadelphia Museum of Art
- Solved ambiguous business challenges (art evaluation) via analyzing disparate data for 50+ art pieces/collections
- Succeeded in 3 sales from collections valued \$19.5M (Christie's), increased gallery engagement by 33% (KappKapp), and contributed 2 acquisition reports for museum artifact (PMA)

Founder & COO

Sep 2016 – Mar 2020

[Oasis Commissary \(Non-Profit\)](#) @ The University of Pennsylvania | Philadelphia, PA

- Wrote proposal to turn unused space into non-profit commissary, obtained vendor license from Philadelphia city
- Managed P&L responsibility, 6000 item inventory, 21 staff and 2 junior managers, \$2000 bi-monthly budget
- Succeeded in \$55,000 gross (returned to Penn), 22k purchases, 325 unique clients, and serving community for almost 4 years

PROJECTS

Data Analytics Report: Investigating Data Relationships in Titanic Dataset

Apr 2023

[GitHub](#) | Python: Pandas, Matplotlib, Seaborn, Numpy

Full-Stack Machine Learning App: Predicting Mushroom Edibility

Feb 2022 – Mar 2022

[GitHub](#) | Python: SKLearn, Pandas, Matplotlib, Seaborn, Numpy, Flask | HTML/CSS/JS | NoSQL (MongoDB)