

CHRISTOPHER DENQ

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SUMMARY

Early data scientist with **2 years** in data analytics, machine learning, and database engineering. Industry background in art market, math, and applied AI tools demonstrate mindset for **data-driven insights**, **novel solution building** and **customer sense**.

EDUCATION

University of Pennsylvania | Philadelphia, PA

BA, Philosophy and Art History

May 2021

Foothill College | Los Altos Hills, CA

Non-Degree, Mathematics

Dec 2022

- **Courses:** Linear Algebra, Discrete Mathematics, Multivariate Calculus, Elementary Statistics

SKILLS & FLUENCIES

- **Programming Languages:** Python: OOP, Pandas | HTML/CSS/JS | APIs | Git
- **Machine Learning:** Python: SKLearn, Numpy, Scipy
- **Analytics/Visualization:** Python: Matplotlib, Seaborn | Tableau | GSheets/Script | Excel/VBA
- **Database, Cloud, DevOps:** SQL | NoSQL | Google Collab | Hadoop/Spark | Github Pages | Amazon Web Services

DATA EXPERIENCE

Data Science Apprentice

(3 mos) Mar 2023 – May 2023

Adobe Digital Academy | Remote

- Selected scholarship finalist for Adobe x General Assembly's Data Science Immersive program

Data Analyst Intern

(3 mos) Jun 2022 – Aug 2022

PNC Financial Services Group | Brecksville, OH

- Created 8 data products (Python/SQL scripts, Tableau dashboards) to help manage business capacity, performance, and risk
- Successfully saved \$375,000 via data-driven sight on loan pipeline involving 7 departments, 8+ managers, 100k data points

Data Analytics Assistant Instructor & Wyzant Tutor

(1 yr 3 mos) Sep 2021 – Nov 2022

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

- Taught, tutored, and managed data analytics and computer science curriculum for 300+ hours to 65 students
- Successfully helped 35+ students graduate (2U) and 25+ students raise scores by 2.7 letter grades (Wyzant)

Art Analyst Intern

(3 mos) Jun 2020 – Aug 2020

Christie's Auctions & Private Sales | New York, NY

- Evaluated 12 artworks at leading luxury art auction house; attended 3+ onsite auctions, hilling meetings
- Succeeded in 3 sales of collections (net value \$19.5M) and contributing to establishing TAMs category (AI art, NFTs)

Founder & COO

(3 yrs 7 mos) 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

AI EXPERIENCE

CSUN Machine Learning Student Assistant

(7 mos) Nov 2021 – May 2022

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

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 applying linear algebra to research

UF Bioinformatics Researcher

(1 yr, 4 mos) Jun 2012 – Sep 2013

Systems Biology Laboratory, University of Florida | Gainesville, FL

PI: Prof. Su-Shing Chen

- Researched optimal parameter space for SVM techniques to detect influential biomarkers for Alzheimer's
- Co-authored research [paper](#); published in Journal of Clinical Bioinformatics

HOBBIES

Competitive Escape Rooms ("Ranked Runs") • Resource-Management Boardgames • Tabletop Roleplaying Games