

CHRISTOPHER DENQ

Fairfax, VA 22031 • (818) 671-8222 • christopherdenq@gmail.com
cdenq.github.io • github.com/cdenq • linkedin.com/in/christopherdenq

SUMMARY

Early data scientist with **1.5 years professional** and **3 years academic** experience in data analytics, machine learning, and database engineering. Strong mathematical foundation to analytics and AI from coursework and fellowship. Art market background confers prioritization of **customer and product sense**; self-taught transition into data demonstrates **grit, initiative, and commitment**.

EDUCATION

University of Pennsylvania | Philadelphia, PA

BA, Philosophy and Art History

Jan 2017 – May 2021

Undergraduate, Statistics (Wharton)

Aug 2015 – Jan 2017

- **Note:** Transferred from Statistics to Philosophy half-way through undergraduate career

University of Illinois – Springfield | Springfield, IL

BA, Mathematical Sciences, minor in Legal Studies

Jan 2023 – Present

- **Note:** Taking courses part-time to gain rigorous mathematical understanding of AI models
- **Courses:** Linear Algebra, Mathematical Statistics, Probability, Statistical Methods, MV Calc, Discrete Math., Dif EQs

INDUSTRY EXPERIENCE

Data Scientist Apprentice

(4 mos) Mar 2023 – Jun 2023

Adobe & General Assembly | Remote

- Received scholarship from Adobe to General Assembly's Data Science Apprenticeship Program
- Fast-tracked to data science position with Adobe after apprenticeship

Data Analyst Intern

(3 mos) Jun 2022 – Aug 2022

PNC Financial Services Group | Brecksville, OH

- Utilized SQL for data queries, Tableau for dashboard visualization, and Python/machine learning for forecasting
- Succeeded in saving company \$375,000 and creating 8 data products used by 90+ members across 7 departments

Data Analytics Assistant Instructor & Tutor

(1 yr 3 mos) Sep 2021 – Nov 2022

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

- Managed and taught data analytics curriculum; teaching and tutoring over 300+ hours to 65 students
- Successfully performs code reviews, provides feedback on projects, and teaches CS concepts

Leading Art Auction House Intern

(3 mos) Jun 2020 – Aug 2020

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

- Evaluated 12 artworks over 6+ reports and collection documentation; 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)

AI RESEARCH & FELLOWSHIPS

Cambridge Machine Learning Fellow

(1.5 week) Jan 2023

Cambridge AI Safety Hub's MLAB, Cambridge University | Cambridge, England

PI: Hannah Erlebach

- Gained technical experience with transformer interpretability, model training, and hyperparameter tuning
- Projects include building a raytracer, custom ResNet, simple backpropagation framework, custom BERT, and scaled GPT

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

SKILLS & FLUENCIES

- **Coding Languages:** Python (OOP), C/C++, SQL (PostgreSQL), NoSQL (MongoDB), HTML/CSS/JS, APIs, Git
- **Machine Learning:** SKLearn, Keras, TensorFlow, PyTorch, Numpy, Scipy
- **Cloud & DevOps:** Google GCP, Google Collab, Hadoop/Spark, Docker, Github Pages, AWS
- **Analytics/Visualization:** Tableau, Google Sheets/Apps Script, Google Suite, Excel/VBA, Matplotlib, Seaborn

HOBBIES

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