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 **2.5 years professional** 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   Aug 2015 – May 2021

University of Illinois – Springfield | Springfield, IL
BA, Mathematical Sciences, minor in Political Science   Jan 2023 – May 2025
- **Courses:** Linear Algebra, Mathematical Statistics, Probability, Statistical Methods, MV Calc, Discrete Math., Dif EQs

DATA EXPERIENCE

Data Science Apprentice   (4 mos) Mar 2023 – Jun 2023
Adobe Digital Academy | Remote
- Selected scholarship finalist (1.6% admittance) for Adobe x General Assembly's Data Science Immersive program
- Fast-tracked interview for data science internship with Adobe

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 & Tutor   (1 yr 3 mos) Sep 2021 – Nov 2022
2U – Trilogy 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

Data Analyst Fellow   (7 mos) Sep 2021 – Mar 2022
2U – Trilogy Education Services | Atlanta, GA
- Worked on 4 major projects (including SQL ETL database, full-stack web-based machine learning app)

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)

AI EXPERIENCE

Cambridge Machine Learning Fellow   (1.5 week) Jan 2023
Cambridge AI Safety Hub's CaMLAB, Cambridge University | Cambridge, England   PI: Hannah Erlebach
- Researched 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