CHRISTOPHER DENQ

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EDUCATION

University of Illinois Springfield   Springfield, IL (Remote)
Bachelor of Arts in Mathematical Science, Minor in Political Science   Jan 2023 – Present

Stanford University   Philadelphia, PA (Remote)
Visiting Student   Sep 2022 – Dec 2022
- **Course:** Intro to AI Alignment (AGI-SF equivalent)

Foothill Community College   Los Altos Hills, CA (Remote)
Visiting Student, Mathematics and Computer Science   Apr 2022 – Dec 2022
- **Honors:** Foothill Business Innovation Challenge ($500 for full-stack ML web app prototype)   2022

University of Pennsylvania   Philadelphia, PA (Remote)
Bootcamp Certificate in Data Analytics and Visualization   Sep 2021 – Mar 2022

University of Pennsylvania   Philadelphia, PA
Bachelor of Arts in Philosophy and History of Art   Aug 2015 – May 2021
- **Honors:** John C. Parker Fellowship ($500 for statistical optimization on game theory model)   2016
- Note: Changed from Statistics to Philosophy half-way through undergraduate career

Van Nuys Senior High   Van Nuys, CA
Highly Gifted Math and Science Magnet   Aug 2011 – Jun 2015
- **Honors**: *summa cum laude*, ranking 3/582

RESEARCH EXPERIENCE

Incoming Stanford AI Governance Fellow   Stanford, CA (Remote)
Stanford AI Alignment's SPAR, Stanford University   Feb 2023 – Apr 2023
- Incoming research intern with Stanford AI Alignment's SPAR program in Spring
- Project TBA; aim to conduct technical and policy AI research for benchmarking policies and output research paper

Cambridge Machine Learning Fellow   Cambridge, England (Remote)
Cambridge AI Safety Hub's MLAB, Cambridge University   Jan 2023
- 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

Berkeley AI Governance Research Intern   Berkeley, CA (Remote)
EA@Berkeley Group's GFI, UC Berkeley   Dec 2022 – Feb 2023
- Researching potential AI policy framework from existing auditing precedents in hardware, software, and robotics
- Project includes a 15-page report and EA Forum post for Mauricio (OpenAI contractor) and Aris (Berkeley)

CSUN Machine Learning Student Assistant   Northridge, CA (Remote)
AI-x Group, California State University: Northridge   Nov 2021 – May 2022
- Researched ML education 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

University of Florida, Systems Biology Laboratory   Gainesville, FL (Remote)
Assistant Data Analyst and Researcher   Jun 2012 – Sep 2013
- Assisted professor Su-Shing Chen and jointly published paper on biomarkers and their role in predicting Alzheimer's Disease based on dependence and gender
- Compiled, organized, analyzed over 10,000 returning results per test; provided general documentation and proofreading support
- Succeeded in contributing to the development of algorithmic application using machine-learning and SVM-based feature selection methodology

WORK EXPERIENCE

Adobe & General Assembly   Brecksville, OH (Remote)
Data Scientist Apprentice   Mar 2023 – Jun 2023
- Scholarship for General Assembly Data Science Bootcamp, which is pre-requisite for Adobe's Data Science Apprenticeship

PNC Financial Services Group   Brecksville, OH (Remote)
Summer Data Analyst Intern   Jun 2022 – Aug 2022
- Creates insightful data products for mid-upper management of 5+ teams to monitor team performance, health, risk, and capacity
- Takes initiative in scaling and automation by introducing Python and ML/AI solutions to enhance standard SQL process
- Successfully contributed 6 live dashboards used by 10+ managers and 80+ team members across 2 departments

2U – Trilogy Education Services   Atlanta, GA (Remote)
Program Teaching Assistant   Jun 2022 – Aug 2022
- Tutors 5-7 students on weekly basis; accumulated 60+ hours in teaching Fullstack Development and Data Analytics curriculum
- Successfully performs code reviews, provides feedback on projects, and teaches code to 13 students spread across 8 bootcamps

Wyzant.com   Various (Remote)
Freelance Computer Science Tutor   Sep 2021 – Present
- Taught computer science topics to 25+ high school, college, and adult learners for total 65+ hours ranging from coding fundamentals to advanced data structures and algorithms to machine learning topics
- Succeeded in adapting teaching style, clearly communicating abstract computer science concepts, mentoring students

Kings Court English College House, University of Pennsylvania   Philadelphia, PA
Chair of Manager Board   Aug 2017 – Mar 2020
- Managed team of 11 other managers, leads weekly meetings, liaisons for 3 student staff groups
- Led 14-16 annual house initiatives, 12 study break events for 450+ students, 5 residential programs
- Succeeded in 20% increased student engagement (30.7 from 25.6), 12% increased event quality ratings (4.4/5 from 3.9/5), 3 new event traditions, and 2 new in-house management strategies over 4 years

Oasis Commissary (Non-Profit) & Mirage Lounge, University of Pennsylvania   Philadelphia, PA
Founder and Executive Business Operations Manager   Sep 2016 – Mar 2020
- Wrote proposal to turn unused dormitory space into non-profit commissary, obtained vendor license from Philadelphia city
- Managed 21 staff and 2 junior managers, $2000 bi-monthly budget, 6 marketing campaigns, 2 training programs
- Maintained in-house lounge (Mirage Lounge): hosted 5 semesterly arts & crafts/relaxation/enviro-conscious programs
- Succeeded in serving local college dorm for 3 years: $1300 gross (returned to Penn), 22k purchases, 180 unique clients

Christie's Auctions & Private Sales   New York, NY (Remote)
Summer Intern / Student   Jun 2020 – Aug 2020
- Attended over 3+ onsite auctions and hilling meetings; helped client communication
- Contributed to 6+ condition reports, appraisals, and clients' collection package documentations
- Succeeded in helping Christie's adjust to accelerated digital marketplace and understanding of role as auction house during pandemic

Kapp Kapp Gallery   New York, NY & Philadelphia, PA
Winter Gallery Intern   Dec 2019 – Mar 2020
- Trained, operated in 3-person team; staffed to real collector engagements as intern
- Assisted in establishing Philadelphia branch; performed daily operations that benefitted both branch
- Researched 16 artworks in 3 collections over 2 locations, contributed to 2 winter catalogs

Arthur Ross Gallery   Philadelphia, PA
Fall and Spring Docent   Sep 2019 – Mar 2020
- Learned gallery material, docent etiquette, and general operations of collegiate gallery
- Led 4 tours for Jaume Plensa's Talking Continent exhibition
- Led 6 tours for Helen Frankenthaler's Frankenthaler on Paper exhibition
- Succeeded in conveying abstract artistic concepts, engaged over 65+ visitors across 10 tours, and gained 20+ new email subscribers

Fulphil   Philadelphia, PA
Summer Business Administration Intern   Jun 2019 – Aug 2019
- Operated in 3 of startup's departments: Marketing, Social Outreach, Development
- Reviewed startup budget and programming price points
- Engaged 12 high school entrepreneurs as part of Fulphil's Social Impact Business Kickstarter program
- Succeeded in maintaining general day-to-day operations and completing the Social Impact Business Program

Philadelphia Museum of Art   Philadelphia, PA
Spring Museum Acquisition Student/Intern   Jan 2019 – May 2019
- Worked directly with Dr. Darielle Mason, Stella Kramrisch Curator of Indian and Himalayan Art
- Academically investigated curation/exhibition of Philadelphia Museum of Art's own collections
- Participated in Asia Week @ New York, 7 different auctions and galleries, researched 2 potential acquisition pieces

McKinsey & Company   New York, NY
Summer Business Analyst Intern   Jun 2018 – Aug 2018
- Trained, operated in 4-person team; staffed to real client engagement as an intern
- Analyzed 12+ databases, assisted in building 4+ iterations of financial models, created 3 drafts and final risk assessment reports, completed 2 presentations to team and client
- Succeeded in learning about client's situation and conducting relevant research, providing deliverables to client with team, sanitizing and adding new insights to internal PD documentation

Kings Court English College House, University of Pennsylvania   Philadelphia, PA
Summer Business Development Intern   Jun 2017 – Aug 2017
- Wrote and presented 1 grant proposal to Penn College House Committee to convert under-utilized building space into commissary for in-house students
- Worked on developing budget, securing industry equipment (shelves, coolers, cashiers), inventory sales patterns, staff training regiment
- Succeeded in pilot summer, successful enough to be reclaimed by Penn, promoted to Executive Business Operations Manager

Bo-Ren Construction Company   Kaohsiung City, Taiwan
Summer Real Estate Consulting Apprenticeship   May 2016 – Aug 2016
- Learned introductory to advanced real estate concepts, including 4 recent Taiwanese case studies
- Performed market research, financial analysis, and data analysis on over 400k housing data points to generate product program and positioning recommendations for 6 city projects totaling $200M+ in development
- Wrote 4 drafts and final reports, presented results to 15+ audience members of mixed seniority
- Succeeded in learning about real estate concepts and applying market and financial research to data-informed consulting projects

California State University, Northridge   Northridge, CA
Spring CSI Class Data Intern and Project Facilitator   Jan 2016 – May 2016
- Worked with Dr. Wen-Chin Hsu on curriculum proposal for using a new multimedia tool in teaching introductory computer science in 3+ course sections to 120+ students
- Gathered both quantitative and qualitative data through Google forms and analyzed over 9k data points over 1 semester to best provide feedback for project transition
- Succeeded in supporting smooth integration of new teaching tool to introductory computer science classes and helping provide 6 visualizations and 10+ quantifiable metrics to academic report

PUBLICATIONS

A diagnostic methodology for Alzheimer's disease   Apr 2013
https://www.researchgate.net/publication/236337563_A_diagnostic_methodology_for_Alzheimer's_disease