CHRISTOPHER DENO

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EDUCATION

University of Illinois Springfield

Springfield, IL (Remote)

Bachelor of Arts in Mathematical Science, Minor in Political Science

Jan 2023 – May 2025

Course: Linear Algebra, Probability Theory, Statistical Inference, Mathematical Statistics, Operations Research Methodologies, Differential Equations, Probability Compute and Modeling

Stanford University, School of Engineering

Stanford, CA (Remote)

Incoming Visiting Graduate Student (SCPD)

Sep 2023 – Dec 2023, Apr 2023 – Jun 2023

Course: Computer Organization & Systems, Operating Systems Principles

Northern Virginia Community College

Fairfax, VA (Remote)

Visiting Student

Jan 2023 - May 2023

Course: Intro to Public Speaking

Stanford University

Stanford, CA (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

Apr 2022 – Dec 2022

Honors: Foothill Business Innovation Challenge (\$500 for full-stack ML web app prototype)

2022

Course: Multivariate Calculus, Elementary Statistics, Discrete Mathematics

University of Pennsylvania

Philadelphia, PA (Remote)

Certificate in Data Analytics and Visualization

Sep 2021 – Mar 2022

University of Pennsylvania

Philadelphia, PA

BA in Philosophy, Specialization in Humanistic Philosophy

Aug 2018 - May 2021 Aug 2015 – May 2021

BA in History of Art

Candidate BS in Economics, Concentration in Statistics (Wharton)

Aug 2016 – May 2018

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

2016

Van Nuys Senior High

Van Nuys, CA Aug 2011 - Jun 2015

Highly Gifted Math and Science Magnet

Honors: *summa cum laude*, ranking 3/582

RESEARCH EXPERIENCE

AI Technical Standards Researcher

Netherlands (Remote)

European Union x AI Safety Camp (AISC)

Mar 2023 – Jul 2023

- Supervised by Dr. Koen Holtman, Dutch representative on the Europa technical standards committee (EU CEN-CENELEC JTC21 Committee); part of AI Safety Camp (AISC 2023)
- Assisted with developing shovel-ready technical policies for EU AI Act's standardization requests

Honors: John C. Parker Fellowship (\$500 for statistical game theory research in board game scenarios)

Developed minimally acceptable best practices for AI risk management at government level

Stanford AI Governance Research Intern

Stanford, CA (Remote) Jan 2023 – Mar 2023

Stanford AI Alignment's SPAR, Stanford University

- Advised by Robi Rahman (Stanford Center for Human-Centered AI); part of Stanford AI Alignment's Supervised Program for Alignment Research (SPAR 2023)
- Analyzed historical AI metrics (parameter, compute, dataset) across 31 countries to verify regional forecasting trends and inform governance strategies

Cambridge Machine Learning Fellow

Cambridge AI Safety Hub's MLAB, Cambridge University

Cambridge, England (Remote)

- Selected fellow for Cambridge AI Safety Hub's CaMLAB program (Winter 2023)
- Worked on transformer interpretability, model training, and hyperparameter tuning
- Projects include building a raytracer, custom ResNet, simple backpropagation framework, custom BERT, and scaled GPT

Berkeley AI Audit Research Intern

Berkeley, CA (Remote)

EA@Berkeley Group's GFI, UC Berkeley

Dec 2022 - Jan 2023

- Advised by Mauricio Baker (contract GovAI) and Aris Richardson (SERI MATS); part of EA @ Berkeley's Good Futures Initiative (GFI 2022-2023)
- Performed literature review of auditing policies across 6 industries (hardware, software, robotics, cybersecurity, pharmaceutical, and financial) with goal of establishing precedents for AI-specific auditing frameworks

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

Bioinformatics Machine Learning Research Assistant

Gainesville, FL

Systems Biology Laboratory, University of Florida

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
- Succeeded in contributing to the development of algorithmic application using machine-learning and SVM-based feature selection methodology

WORK EXPERIENCE

Adobe Digital Academy Data Scientist Apprentice New York, NY (Remote)

Mar 2023 - Jun 2023

- 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

PNC Financial Services Group

Brecksville, OH (Remote)

Jun 2022 – Aug 2022

- Summer Data Analyst Intern Creates insightful data products for mid-upper management of 5+ teams to monitor team performance, health, risk, and
 - 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
- 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

Jan 2023

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

Dec 2019 - Mar 2020

Winter Gallery Intern

- 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 Sep 2019 – Mar 2020

Fall and Spring Docent

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

Jun 2019 - Aug 2019

Summer Business Administration Intern

- 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

McKinsev & 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

Summer Real Estate Consulting Apprenticeship

- Kaohsiung City, Taiwan 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