

EDUCATION	Stanford University (CA) 09/2021 - Present <i>Doctor of Philosophy, Computer Science</i> Stanford Artificial Intelligence Laboratory Stanford Golub Capital Social Impact Laboratory
	DePauw University (IN) 08/2017 - 05/2021 <i>Bachelor of Arts, GPA 3.98/4.00, Summa Cum Laude, Phi Beta Kappa</i> Majors in Computer Science, Economics, and Computational Chemistry Fellowship Programs in Management, Science Research, and Information Technology
	University of Oxford (UK) 01/2021 - 05/2021 <i>Visiting Scholar, Computer Science</i>
	Relevant coursework: Probabilistic Graphical Models, Generative Models, Reinforcement Learning, Time-series Forecasting, Graph Theory, Category Theory, Real Analysis, Bioinformatics

RESEARCH INTERESTS Probabilistic & geometric deep learning, Bayesian experimental design, and their applications (such as scientific discovery, structural biology, and computational social sciences)

PUBLICATIONS **Conference & Journal Publications**

* denotes equal contribution

- [14] Griffiths R.*, Klarner L.*, Moss H.*, Ravuri A.*, Truong S.*, Du Y., Jamasb A., Schwartz J., Tripp A., Rankovic B., Schwaller P., Kell G., Bourached A., Chan A., Moss J., Guo C., Lee A., Tang J. GAUCHE: A Library for Gaussian Processes in Chemistry. *Adaptive Experimental Design and Active Learning in the Real World Workshop, AI4Science Workshop at 39th International Conference on Machine Learning*, 2022.
- [13] Duong T.*, Truong S.*, Tam M.*, Bach B.*, Rhee J. Quantum Neural Architecture Search with Quantum Circuits Metric and Bayesian Optimization. *AI4Science Workshop at 39th International Conference on Machine Learning*, 2022.
- [12] Truong S., Neller T. A Data-Driven Approach for Gin Rummy Hand Evaluation. *In Proceedings of the 35th AAAI Conference on Artificial Intelligence*, 2021.
- [11] Pham V., Tran H., Truong S., Hoang N., Cao T. One-pot hydrothermal synthesis of Si doped TiO₂ nanotubes from commercial material sources for visible light-driven photocatalytic activity. *In Material Research Express*, 2019.
- [10] Pham V., Truong S., Nguyen H., Cao T. Synthesis of a silver/TiO₂ nanotube nanocomposite by gamma irradiation for enhanced photocatalytic activity under sunlight. *In Nuclear Instruments & Methods in Physics Research B*, 2018.
- [9] Pham V., Truong S., Nguyen B., Cao T. An improved green synthesis method and Escherichia coli antibacterial activity of silver nanoparticles. *In Journal of Photochemistry & Photobiology B*, 2018.
- [8] Pham V., Phan T., Mott D., Maenosono S., Truong S., Cao T., Le H. Silver nanoparticle loaded TiO₂ nanotubes with high photocatalytic and antibacterial activity synthesized by photoreduction method. *In Journal of Photochemistry & Photobiology A*, 2018.

Presentations & Manuscripts

- [7] Voegelé M., Thomson N., Truong S., Zachariae U., Dror R. Systematic Comparison of Biomolecular Structural Ensembles via Mutual Information. 3rd place (/98) at *Workshop on Advances and Challenges in Biomolecular Simulations, European Molecular Biology Organization, Brno, Czechia* 2021.
- [6] Truong S., Barreto H. Visualizing Income Distribution in the United States. *Presented at National Collegiate Research Conference, Harvard University*, 2021.
- [5] Truong S., Tran Q. A Attention Graph Neural Network for Stereo-active Molecules. *Presented CMD-IT/ACM Richard Tapia Celebration of Diversity in Computing Conference*, 2021.
- [4] Truong S., Gropp J. Hybridizing Exponential Smoothing and Transformer for Time series Forecasting. *DePauw University Undergraduate Honors Thesis*, 2021.
- [3] Truong S., Hansen J. Synthesis of a Novel Pyrrole Family as Potential Anti-Cancer Agents. *Presented at National Conference on Undergraduate Research*, 2021.
- [2] Truong S. Ethical Price for Essential Pharmaceuticals? *Presented at Undergraduate Conference on Science, Technology, Medicine and Society, Vassar College*, 2021.
- [1] Truong S. The Effect of Education on Smoking Decisions in the United States. *Presented at 19th BGSU Undergraduate Economics Student Conference*, 2019. 3rd Best Presentation.

AWARDS, HONORS & FELLOWSHIPS	Stanford Human-center Artificial Intelligence Graduate Fellowship	06/2022
	Stanford School of Engineering Fellowship	09/2021
	Ferid Murad Medal for the Highest Scholarly Achievement [Press]	05/2021
	John A. Ricketts Prize in Physical Chemistry Research	05/2021
	Frank T. Carlton Senior Award in Economics	05/2021
	Robert J. Thomas Outstanding Senior Award in Computer Science	03/2021
	Randal L. Wilson Junior Award in Economics Research	04/2020
	Bruce Allen Long Endowed Scholarship in Economics & Leadership	04/2019
	American Chemical Society Inorganic Chemistry Award	04/2018
	Silver Medal, Biochemistry, Intel Science and Engineering Fair (ISEF)	03/2016
	Bronze Medals, National Chemistry Olympiad	02/2015, 02/2016
WORK EXPERIENCE	The R Project for Statistical Computing	05/2021 - 08/2021
	<i>Software Engineer – Part-time</i>	
	Developed hyperSpec package for analysis of spectroscopy data	
	Community Health Network Inc. (IN)	08/2020 - 05/2021
	<i>Network Data Analytic Intern – Part-time</i>	
	Statistically analyzed operational data to support decision making processes	
	Cummins Inc. (IN)	08/2019 - 01/2020
	<i>Treasury Co-Op Analyst – Full-time</i>	
	Developed dynamic time-series models for financial forecasting application	
	Ho Chi Minh City University of Technology (Vietnam)	05/2016 - 07/2017
	<i>Research Assistant – Full-time</i>	
	Developed computational frameworks to characterize properties of nano-materials	
TEACHING EXPERIENCE	DePauw University (IN)	08/2018 - 05/2021
	<i>Teaching Assistant: Data Mining, Microeconomics, Academic English Seminar</i>	
	<i>Quantitative Reasoning & Speaking Tutor at Academic Resource Center</i>	
	Elite Prep (Vietnam)	05/2016 - 12/2018
	<i>SAT & ACT & AP Tutor in Mathematics & Chemistry</i>	
	Vandy English Language Academy (Vietnam)	08/2017 - 12/2018
	<i>Undergraduate Admissions Counselor</i>	
SERVICES & LEADERSHIP	International Conference on Machine Learning – Reviewer	2022
	DePauw Entrepreneurship Group – President	08/2019 - 05/2021
	DePauw Robotics Club – President	01/2021 - 05/2021