Jerry Zhou

630-432-2027 | jerry_zhou@brown.edu | Providence, RI | LinkedIn | GitHub

Technical Skills: Python, Java, OpenCV, HTML/CSS, Microsoft Excel, Powerpoint, Word, Jupyter NoteBook, JavaScript, YouTube Content Creation, DrRacket, ReasonML, Scikit-Learn, Tensorflow, Keras, Azure, Typescript, NextJS, TailwindCSS

EDUCATION

Brown University Bac	helors of Science in Applied Math and Computer Science 2024-2027
• Clubs and Activities: Chief Technology Officer at Br	rown's Socially Responsible Investment Fund, Full-stack developer
at Brown's Web Dev Team, Problem Writer for Brow	n's Math Olympiad, Business Team at Fiction For Kids, Web
Developer Board member at Brown's Political Revie	w, Communications Officer at Infectious Disease Society Magazine
• Relevant Coursework: CSCI 17, CSCI 1800, APMA	350, APMA 360, Math 520, CSCI 200, APMA 1160
Unweighted GPA: 4.0	
WORK EXPERIENCE	
Fermi National Accelerator Laboratory Conference	Proceedings Abstract Poster June 2023 - August 2023
Software Engineering Intern at Deepskies Lab	Batavia, IL
to create a data set for classification learning.	in Rings with varying redshifts and resolutions via Deelenstronomy
2023 Quarknet Teachers Workshop and accepted for	as published into the QuarkNet database. It was presented at the an oral poster session at the 2023 American Geophysical Union
Conference.	
Ohmium International, Inc	February 2023 - January 2024
Paid Remote Data Science Intern	Remote
Excel. Supervised under Christos Mimikopoulos (VI	· · · ·
University of Michigan Final Evaluation Research]	PaperFebruary 2021 - July 2022
Machine Learning/Cybersecurity Research Intern	Remote
 Conducted a literature review regarding the potential K-12 school websites and online campus security. 	for blockchain technology to enhance cybersecurity protection for
University of Illinois Chicago, College of Engineering	Presentation Conference Code June 2021 - Present
Biomedical Computation Research Intern	Chicago, IL
1	age convolution, erosion, LUT Transformations, thresholding, and
coordinate analysis to determine the centerline of lab	•
	ger's LNCS book and accepted for an oral presentation at the 2023
International Symposium on Visual Computing at La	
University of California, Los Angeles, Samueli School	
Computational Chemistry Research Intern	Remote
1 7 11	ne, and Gradient Boosting Algorithm via Jupyter Notebook to molecules based on their Simplified Molecular Input Entry System
LEADERSHIP EXPERIENCE	
Assistant Head of Data Analysis at the Stanford Neur	•
	nters, disseminated post-reflection surveys, tracked attendance on
	alongside Dr. Odette Harris and Dr. Reena Thomas (club sponsors).
YouTube Educational Content Creator and Partner	
	e-Calculus, garnering over 4K subscribers and 300K views.
 Cofounder of Gnomon Learning, a Tutoring Service for Created a student-led organization (20+ team) that 	or K-12 Students Gnomon Learning2020 - Presentt tutors AMC, AP testing, and SAT preparation for elementary,
	ng with the Naperville Public Library and Aurora Public Library.
Brown Venture Prize Finalist Public Announcement	Brailleo Website Live PitchFebruary 2025
• We are the first all 1st-year team in BVP's history. W	we won the Fan Favorite award from the vote of 500+ attendees.
1st Place at the Regionals New York Business Pitch Co	Ompetition (Won \$300 Grant for Brailleo)March 2025
PUBLICATIONS	

Advanced Euclidean Geometry: Beautiful Drawn Problems & Simple Explanations | **BOOK** PMCE, a Novel Centerline Extraction Algorithm Based on Spatial Distribution of Aggregates | **PAPER**

Languages: English (fluent), Mandarin (fluent), Spanish (Limited Working Proficiency)