

KRISTOPHER PAUL

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WORK EXPERIENCE

Quantitative Research Consultant

July 2023 - Present

WorldQuant

Remote

- Creating novel alpha strategies that involve the formulation of mathematical expressions, code and hyperparameters to predict future movement of financial instruments.

Undergraduate Researcher

Jan 2023 - May 2023

Project Advisor: Prof. Anirban Dasgupta, IIT Gandhinagar

Gujarat

- Novel approach for Hadamard-based FJLT using positional value learning in CountSketch ([Report](#)).

Machine Learning Intern

Jun 2022 - Oct 2022

Elucidata

Remote

- Co-authored a research paper on Multi-Task Learning for Biomedical NER, which has been published. It was part of a team-wide effort to decrease the latency of transformer NER models; in effect, a 20x speedup was achieved.

PUBLICATIONS & PRESENTATIONS

[Reducing Inference Time of Biomedical NER Tasks using Multi-Task Learning](#)

Dec 2022

Proceedings of the 19th International Conference on Natural Language Processing (ICON)

Publication

[Nearest Neighbour Document Image Transformer \(kNN-DiT\)](#)

Dec 2022

Datathon@IndoML 2022

Presentation

EDUCATION

B.Tech in Computer Science and Engineering, IIT Gandhinagar • CPI: 9/10

Expected 2026

AWARDS

Datathon@IndoML Winner

Dec 2022

Won an ML hackathon jointly organized by IIT Gandhinagar & IIT Kharagpur, as well as other experts from academia and industry. It comprised 102 teams with 192 participants from various Indian universities and labs.

AI Driven Biomedical Hackathon Winner

Feb 2022

Won an ML hackathon jointly organized by IIT Guwahati & Elucidata comprising 54 teams and 81 participants from various age groups of premier technical institutions. Was offered an ML internship at Elucidata for my performance.

Codechef Snackdown Finalist

Feb 2019

Selected in the top 40 teams internationally from around 28000 teams of various age groups for the final round of Codechef Snackdown (competitive programming competition). It was based on Algorithms and Data Structures.

IOITC Finalist

May 2018, 2019, 2020, 2021

Selected for IOITC (International Olympiad in Informatics Training Camp), a competitive programming camp, with 30-40 other students in India consecutively for four years. Was the youngest to qualify for the camp in 8th grade.

CERTIFICATIONS

[Machine Learning Engineer](#)

[Deep Learning Engineer](#)

[Triplebyte Certified Engineer \(ML\)](#)

Feb 2022

SKILLS

[Data Visualization](#) [Predictive Analysis](#) [Statistical Modelling](#) [Data Mining](#) [Clustering & Classification](#)
[Quantitative Analysis](#) [Machine Learning](#) [NLP](#) [Deep Learning](#) [Algorithms](#) [Data Structures](#) [Web Scraping](#)
Packages & Frameworks Scikit-Learn, Tensorflow, Keras, PyTorch, Pandas, NumPy, Matplotlib, Selenium
Prog. Languages Python, C++, C, Java, R
DBs, Tools & Technologies MySQL, MongoDB, PostgreSQL, Git, Django, Flask