

JASON YANG

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OBJECTIVE

First-gen student, *B.S. in CS* and incoming *M.Eng. in CS*, seeking both full-time and internships in **ML/software infrastructure roles**.

EDUCATION

M.Eng. in Computer Science, Massachusetts Institute of Technology Expected Dec. 2024

B.S. in Computer Science, Massachusetts Institute of Technology Aug. 2018 - Feb. 2023

Coursework: Fundamentals of Programming, Software Studio, Machine Learning, Complexity Theory

Languages: Python, TypeScript, Java

Frameworks: AWS, Express.js, PySpark, Vue.js

ML: NLP, CV, Autonomous Decision Making

EXPERIENCE

AI/ML Engineering Intern Jun. 2022 - Aug. 2022
J.P. Morgan Chase *Palo Alto, CA*

- Implemented various NLP models at scale for instance deduplication on proprietary dataset of 200 million company entries
- Designed and developed parallelized query job on 95 million addresses, resulting in discovery of 8 million previously missed duplicate entries
- Implemented various text generation and style transfer techniques to combat class imbalances in skewed data, placed 3rd within intra-firm hackathon

Undergraduate Researcher Sep. 2019 - Dec. 2021
MIT Kavli Institute for Astrophysics *Cambridge, MA*

- Explored various ML techniques for more versatile image classification of satellite observed astronomical objects
- Implemented convolutional neural network with PyTorch to identify black hole events from over 500,000 observed objects in TESS satellite data, resulting in 75% precision

PROJECTS

Community Requests Webapp

Worked with MIT colleagues to develop webapp intended to enable crowdsourced community requests and connect community members to physical shared spaces. Developed extensive REST API using **TypeScript**, **Express.js**, **OpenAPI Spec**, and **MongoDB**. (ourspace.jasyang.com)

Paper on AI Explainability in Insurance

Worked on team of 3 MIT students to identify issues with current AI practices in insurance industry and propose regulations based on explainable AI to national level insurance regulatory body. Picked up by the National Association of Insurance Commissioners for further review. ([View Here](#))

VOLUNTEERING

- Former community President for [Liberty in North Korea](#) rescue team effort. Fundraised over the course of 1.5 years, contributing to the successful rescue mission and relocation of a North Korean defector. Educated community and rewrote misleading narrative on the humanitarian crisis in DPRK.