Jason Y. Yang

☐ 661 714 0088 | @ jas.yang71@gmail.com | 🔗 LinkedIn | 🌐 Blog | 📍 New York City

EDUCATION

Massachusetts Institute of Technology   Cambridge, Massachusetts
B.S. in Computer Science   *Aug 2018 – Feb 2023*

SKILLS

Languages: Python, TypeScript, Java

Frameworks: OpenAPI, React, Docker, Postgres, AWS, Spark

Coursework: Fundamentals of Programming, Advanced Algorithms, Machine Learning, Complexity Theory

EXPERIENCE

Regard   Hybrid - Los Angeles, CA
Software Engineer   *Feb 2023 – Present, Full-time*
- Led effort to successfully develop and deploy into production a backend service for a proprietary internal tool from scratch with Docker, FastAPI, and Postgres
- Coordinated with physicians to develop module to diagnose acute coronary syndrome based on live patient data and integrate into electronic health record

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

MIT Kavli Institute for Astrophysics   Cambridge, MA
Undergraduate Researcher   *Sep 2019 – Dec 2021*
- 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 satellite data, resulting in 75% precision

PROJECTS

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.

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, Vue, OpenAPI, and MongoDB