

# Jason Yang

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## EDUCATION

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- **Massachusetts Institute of Technology** Cambridge, MA  
*B.S in Computer Science* Anticipated Jan 2023  
**Relevant Coursework:** Machine Learning; Autonomous Decision Making; Complexity Theory; Software Construction  
**Languages:** Python, Typescript, Java, SQL  
**Libraries:** PySpark, Pandas, NumPy, Transformers, PyTorch, Tensorflow, Ray  
**Other:** Korean (Proficient), VC (Git), Agile Development

## EXPERIENCE

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- **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 objects
  - Implemented convolutional neural network to identify tidal disruption events from 500,000 observed objects in TESS satellite data with over 75% precision
- **Kessel Run** Boston, MA  
*Software Engineering Intern (Remote)* Jun 2021 - Aug 2021
  - Designed and built ML tool for Agile applications to predict ticket resolution times; results were used by project managers for regular sprint planning
  - Investigated several ML techniques to predict and prevent Kubernetes cluster failure using monitoring logs

## LEADERSHIP

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- **Liberty in North Korea** Los Angeles, CA  
*President of Rescue Team (local)* Feb 2015 - Jun 2018
  - Oversaw 30 students members in conjunction with larger non-profit organization
  - Executed fundraising and educational events tailored towards raising awareness for the humanitarian crisis in DPRK
  - Fundraised for successful rescue mission and relocation of a North Korean defector in the summer of 2017

## PROJECTS

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- **System Design Project on Cooperate Energy Utility**  
*6.033: Computer Systems Engineering* Jan 2022 - May 2022
  - Coordinated team of 3 to design an energy sharing system for a fictional city in Massachusetts
  - Designed functionalities such as modular energy microgrids and protocols for dealing with power and communication outage events to prioritize emergency services
- **Paper on Explainable AI for Insurance Underwriting and Claims Evaluations**  
*6.805: Foundations of Internet Policy* Sep 2021 - Dec 2021
  - 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 (NAIC)