Angela Li

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EDUCATION

Massachusetts Institute of Technology   Cambridge, MA
Primary Major: B.S in Computer Science, Data Science, and Economics   May 2024
Second Major: B.S in Business Analytics   GPA: 4.9 / 5.0

Relevant Coursework: Optimization Methods **(Teaching Assistant)**, Machine Learning, Design And Analysis Of Algorithms, Linear Algebra, Probability & Statistics, Econometrics, Inference on Causal and Structural Parameters Using ML and AI*, Real Analysis*, Quantitative Methods for Natural Language Processing* *(* indicates graduate level course)*

WORK EXPERIENCE

MIT HAN Lab   Cambridge, MA
Undergraduate Research Assistant *(Advised by Prof. Song Han)*   Sept 2023 – Present
- Developed a daily assistant application leveraging Large Language Models (LLMs) with a focus on local data processing.
- Created a synthetic dataset of .ics files and email pairs for realistic system training simulations.
- Executed fine-tuning of language models to optimize performance and accuracy in data handling and user interaction.

Intuit, Inc.   San Diego, CA
Software Engineering Intern *(Recognized as Top Talent)*   May 2023 – Aug 2023
- Utilized advanced natural language processing (NLP) techniques and large language models (LLMs) for the in-depth analysis and interpretation of complex tax documents.
- Spearheaded the development and implementation of a groundbreaking real-time Spanish translation feature in TurboTax, utilizing NLP integration to enhance user accessibility and inclusivity.

MIT Computer Science and Artificial Intelligence Lab   Cambridge, MA
Undergraduate Research Assistant *(Advised by Prof. Randall Davis)*   Jan 2021 – Dec 2022
- Applied machine learning and graphic signal recognition & processing to identify early signs of Alzheimer's disease by analyzing handwriting samples. Research lab's work won **TIME Magazine's Best Inventions of 2021.**
- Processed *50,000* samples with Python, optimizing data processing speed.
- Proposed a novel machine learning method for cleaning handwriting data.
- Accepted and presented at **AI Cures Conference 2022**.

Intuit, Inc.   San Diego, CA
Software Engineering Intern *(Spotlight Award)*   May 2022 – Aug 2022
- Developed a machine learning model that enhanced codebase risk prediction accuracy by 400%.
- Automated vast data collection pipelines from GitHub, Jira, and developer APIs using Elasticsearch and Python.

Other research & internships: Multiply Labs, Inc. (Feb, 2022), Trimble Inc. (June-August, 2021)

PROJECTS

VoiceBook @ HackMIT *(3rd Place out of 250 projects)*   Sep 2021
- Spearheaded a platform leveraging SV2TTS for dynamic audiobook creation.

ShopWhole @ Vanderbilt Summer Hackathon 2020 *(1st Place out of 59 projects)*   Jul 2020
- Created a digital marketplace with predictive pricing algorithms during Covid-19 onset

ACTIVITIES

● **MIT Undergraduate Economics Association Board** (Treasurer, DEI Board Chair)	May 2022 – Present
● **MIT EECS Department** (Academic Associate Advisor to Dean Daniel Huttenlocher)	May 2022 – Present
● **MIT Code for Good (**Team Lead, Marketing Director)	Sept 2021 – Dec 2022
● **MIT Society of Women Engineers** (Member)	Sept 2020 – Present
● **MIT Asian Dance Team** (Member)	Sept 2020 – Present

TECHNICAL SKILLS

Programming Languages: Python, R, Java, C++ | **Data Science Packages:** Pandas, PyTorch, NumPy, scikit-learn
Tools & Frameworks: Git, Linux, Jupyter Notebooks, xCode, Visual Studio, Eclipse, Stata, Gurobi
Honors & Awards: National Merit Scholarship Recipient (2020), Highest Score in the USA on Cambridge International CS Exam A-Level (2020), Winner for NCWIT Award for Aspirations in Computing (2020), E. Lafayette and Etienette A. Quirin Scholarship Recipient (2021-2023), Society Of Women Engineers Grace Hopper Conference Sponsorship Recipient (2021)