

Yuchao Liu

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Homepage

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EXPERIENCE

- **Meta AI, Meta Platforms Inc.** Menlo Park, CA
Data Scientist Jun 2024 - Present
 - Develop novel metrics and evaluation methods to evaluate LLM performances. Help shipping new features to millions of Meta family of apps users using Meta AI
 - Design and evaluate experiments to improve Meta AI user experiences
 - Collaborate with engineers to design and implement quality control systems to ensure Meta AI providing information accurately and in timely manner
- **YouTube Inc. / Google Inc.** San Bruno, CA
Data Scientist, Research Jul 2021 - Jun 2024
 - Developed metrics measuring YouTube Premium profitability. Analyses include ads-subscription unit economics research, user life-time value modeling and observational causal inference on price change
 - Analyses assisted YouTube Premium price changes decisions in 40+ countries, affecting 50M+ users
 - Helped launch several revenue channel optimization experiments, bringing multi-million additional margin to YouTube business
 - Pioneer work in designing and analyzing novel experiments to understand dynamics within YouTube paid products' ecosystem and user behaviors
- **Last Mile Delivery, Amazon Inc.** Bellevue, WA
Research Scientist Jul 2020 - Jul 2021
 - Built a new Amazon Flex driver ID fraud detection machine learning model from scratch and launched in EU, UK, JP and the US
- **Microsoft Advertising, Microsoft Corporation** Bellevue, WA
Data Scientist Apr 2018 - Jul 2020
 - Designed and implemented machine learning algorithms for conversion prediction and ads pricing. Analyses led to better pricing decisions and advertiser ROIs in many major Microsoft Ads platforms
- **Mitsubishi Electric Research Labs** Cambridge, MA
Research Scientist Intern Jun 2017 - Sept 2017
- **BioMarin Pharmaceutical** Brisbane, CA
Biostatistics Intern Jun 2016 - Aug 2016

EDUCATION

- **Department of Mathematics, University of California San Diego** La Jolla, CA
PhD, Mathematics, concentrated in Statistics Sept. 2013 - Mar. 2018
- **School of Management, Fudan University** Shanghai, China
Bachelor of Science / Master of Science in Statistics Aug. 2007 - July. 2013

SKILLS

- **Programming Languages:** R, SQL, Python
- **Languages:** Chinese(native), English(fluent), Japanese(Basic)