

Alec Mori

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Work

- Nov 2022 - Present **Google** | L5 Software Engineer - Search - Machine Learning New York, NY
- Currently engineer on Ranking Solutions, establishing best practices across all ranking engineers
 - Focused on optimization of secondary metrics without hurting primary metric's performance
 - Designed systems throughout Search for vertical-specific improvements, leading to many launches
 - Used above systems to get multiple launches currently used in Search stack
 - Ensure code quality across company as Python Readability Mentor
 - Work with multiple HBCUS and HSIs through Google programs to teach students
- Nov 2020 - **L4**
- Engineer on interpretable machine learning and data analysis platform for 1000's of users
 - Worked with Maps, Waymo, Knowledge, Search teams to improve model performance
 - Designed mechanism to elegantly embed metadata into models for development workflows
 - Rewrote core training APIs for active learning workflows
- Jan 2019 - **L3**
- Worked with Youtube and Maps teams to improve model performance
 - Created for model understandability, such as SHAP values and intelligent plotting
 - Integrated models into software development workflows by creating Python model representation
 - Oversaw redesign of code->documentation pipeline, leading to 100's more generated documents
- Aug 2016 - Jun 2018 **Yelp** | Machine Learning Engineer San Francisco, CA
- Machine learning engineer on ads serving teams, handling 2000 QPS
 - Improved MXE of click-through-rate prediction of reviews in advertisements by over 10%
 - Oversaw formation of computer vision infrastructure and algorithms to advertisements at Yelp

Education

- Jan 2021 - Aug 2023 **University of Illinois** | M.S. Computer Science Urbana, IL
- GPA: 4.0
 - Focus in Data Science
- Aug 2012 - May 2016 **University of Illinois** | B.S. Computer Science Urbana, IL
- Minor in Mathematics

Research

- Jan 2015 - May 2015 **University of Illinois** | Research Assistant (USB) Urbana, IL
- Paper "Users Really Do Plug in USB Drives They Find" can be found **here**

Technology

Languages

- Python
- R

Platforms

- AWS
- Docker

Libraries

- Scikit-learn
- Tensorflow
- XGBoost

Other Work

- May 2020 - Aug 2022 **Codepath** | Instructor Remote
- Co-teach an algorithms class for 100's of college students
 - Designed curriculum and content for inchoate 24-session introductory data structures course
- Jan 2017 - Present **Other** | Personal Various
- Maintain a website for fans of the video game *Rock Band*
 - Bronze Presidential Award for Volunteering
 - Interested in history, reading, making and performing music, dancing