Alec Mori

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Work

| Nov 2020 - Present | **Google** | L5 Software Engineer - Search - Machine Learning | New York, NY |

- Engineer on interpretable machine learning and data analysis platform for 1000's of users
- Working with Knowledge, Shopping, Search teams to improve model performance
- Designed ML systems for Knowledge and Search to facilitate vertical-specific model improvements

L4
- 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

L3
- Worked with Youtube and Maps teams to improve model performance
- Created for model understandablity, 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
- Maintained and improved multi-armed bandit systems
- 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
- Developed machine learning infrastructure and models to improve search UI

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 |

- Tested security on the University of Illinois campus by dropping pseudo-malicious flash drives
- Wrote Android application backed by Google App Engine to monitor progress during experiment
- Paper ''Users Really Do Plug in USB Drives They Find'' can be found **here**

Technology

Languages	**Platforms**	**Libraries**
• Python	• AWS	• Scikit-learn
• R	• Docker	• 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, guitar, drums, piano, salsa dancing