Emily Saliba

(616) 558-6571 ● emilycsaliba@gmail.com ● emilysaliba.com

WORK EXPERIENCE

Machine Learning Engineering Manager, Reddit   *Nov 2020 - Present*
User Understanding & ML Features

- Founded and built new core ML engineering teams: User Understanding and ML Features. These teams focus on enabling machine learning engineers to deploy complex models with a focus on user data privacy and safety.
- Designed and led development on the first user feature streaming system, which processes and aggregates billions of events per day. This enabled personalization of feeds in real time for the first time at Reddit.
- Defined vision and led execution for data processing and user privacy for ML across the company at the director level.
- Developed engineers into technical leaders by advocating for and supporting their growth, giving continuous feedback and partnering with them on aligning their career goals with their work.

Senior Data Scientist and Lead Architect, Reddit   *Feb 2018 - Nov 2020*

- Built Reddit's first human-in-the-loop and machine learning driven content filtering system that enables the onboarding flow, recommendation units, feeds, push notifications, and ad placement, leading to an 18% increase in revenue and an 11% increase in user engagement.
- Maintained and extended Reddit's feature store for machine learning. Built custom alerting and monitoring that decreased outage response times from up to a week to hours.
- Mentored junior data scientists and interns and helped onboard new data scientists and engineers to our stack.
- Created and maintained ETLs for core company metrics and query logs for privacy/GDPR compliance.

Online Community Manager/Analyst, Girls Who Code   *2016 - 2018*

- Set goals and strategies for the launch of Girls Who Code's alumni platforms. Analyzed A/B tests and experiments to guide community management and technical investment. Debugged issues in production, compiled bug reports for app developers, and provided guidance to users and development team. Managed teams of brand ambassadors, mentors, and community managers to increase user acquisition and engagement statistics

Site Lead, Girls Who Code   *2015 - 2016*

- Hired, trained, and led California teaching teams at companies such as AT&T, IBM, Disney, NASA JPL, and Symantec. Attended and spoke at events on behalf of Girls Who Code

Computer Science Instructor @ General Electric, Girls Who Code   *2015*

- Led a classroom of 20 students and two TAs. Prepared lessons to cover several aspects of computer science. Acted as liaison between Girls Who Code and host company, General Electric

Web Development Consulting   *2012-2015*

- Built custom websites from concept to completion, including both frontend and backend for various companies in Chicago.

SKILLS

Languages: Python, SQL, C#, C++
Machine Learning / Data Science: sklearn, Tensorflow, Pandas, NumPy
Data Tools and Storage: Kafka, Cassandra, Redis, BigQuery, Spark, Airflow, PostgreSQL, SQS, S3
Infrastructure: AWS, Google Cloud, Kubernetes

EDUCATION

Bachelor of Science, Computer Science (Game Programming)
Columbia College Chicago — Chicago, IL