James Anderson

New York, NY

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EXPERIENCE

Meta (formerly Facebook)   **New York, NY**
Software Engineer   *Nov 2021 – May 2024*

- Designed and engineered a backend service to detect misinformation in near real-time across Messenger and Instagram, handling millions of messages daily using PHP and Python.
    - Collaborated with client engineers to integrate the detection service into UI treatments, successfully blurring misinformation ahead of 9+ global elections in 2024.
    - Partnered with policy and privacy teams throughout the design and built dashboards for election teams to monitor misinformation during key election periods.
- Led a code audit and cleanup of the message rate-limiting codebase that reduced redundant API calls from 22M to 6K/min, cutting over-enforcement by 3,000x and lowering monthly storage costs by 82%.
- Designed and implemented new server-side integrity checks for Messenger's Community Messaging product, preventing initial access to messaging for 7M+ high-risk Facebook groups.
    - Owned this area, writing documentation and building internal tools to help teams debug user/group access issues.
- Developed end-to-end reporting flows for Community Messaging, including adding the ability to report minors in a chat and report content that violates local laws. Worked full-stack (backend, web, and iOS) using PHP and Javascript. This work ensured the company met regulatory requirements for reporting.

Meta (formerly Facebook)   **Menlo Park, CA**
Software Engineering Intern   *Summer 2020*

- Developed cross-product logging between Instagram and Messenger, working with both PHP and Python. After doing so, built a dashboard and design document to support the use of the new logger.
- Developed API endpoints for Instagram video call functions.
- In internal hackathon, worked with React.js and message signaling while taking feedback from product and design teammates. The hack won two awards and steps were made to get the hack shipped.

Google   **Mountain View, CA**
Software Engineering Intern   *Summer 2019*

- Visualized Geo User Generated Content (i.e., reviews, photo contributions, edits) in Earth Engine.
- Visualizations included heatmaps and charts. Written in Javascript and fed data using Java and a Google-specific SQL. Identified trends and anomalies in the data with the newly added visual element.

Tesorio (Y Combinator S15)   **Palo Alto, CA**
Software Engineering Intern   *Summer 2015*

EDUCATION

NYU – Courant Institute of Mathematical Sciences   **New York, NY**
B.A. in Computer Science   *Class of 2021*

- **Relevant Coursework:** Artificial Intelligence, Machine Learning, Processing Big Data for Analysis, Calculus II-III, Analysis I, Theory of Probability