


Andrew VAGLIANO

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afv22  |  andrew-vagliano

SUMMARY

Security and software engineer experienced in developing solutions to analyze highly sophisticated threats in global-scale networks. Passionate about streamlining systems and skilled at bridging technical and non-technical expertise. Looking for high-impact roles with opportunity for product ownership and personal growth.

SKILLS

Languages	Python PHP/Hack Javascript / Typescript Haskell Rust SQL
Technologies	React GraphQL Dataswarm / Airflow AWS
Areas of Expertise	Data Engineering AI Solutions Full-Stack Engineering Data Analysis Threat Intelligence
Personal Interests	Motorsports Jazz & Bluegrass Guitar College Football Food & Cooking

EXPERIENCE

Meta Platforms, Inc.

Sep 2021 - Sep 2024

Security Engineer, Integrity Investigations & Intelligence (i3)

Washington, DC

- Served as engineering lead on trust & safety intelligence teams across multiple problem spaces; prototyped tools, standardized workflows across teams, and advocated investigator needs to external engineering teams to influence scaled solutions.
- Created a signal-based system to define and identify malicious behavior; coordinated SME alignment, defined performance metrics with policy teams, built infrastructure to aggregate technical and manual decisions, and managed deployment to human review teams.
- Developed an AI system to detect and modify egregious content to minimize psychological impact on content moderators, improving employee retention and review speed; led cross-functional collaboration with design, legal, product, and review operations teams to align on requirements, execution, and deployment.
- Defined analytical requirements and collaborated with our human reviewer operations team to design a testing procedure for identifying miscalibration in an updated sexual exploitation policy; conducted statistical analysis of results, delivering insights to refine policy wording and improve precision.
- Migrated file processing system for critical actor tracking pipelines to modern infrastructure, improving performance and interoperability with investigative tooling.
- Triaged and resolved technical incidents and reputational escalations across an ecosystem of hundreds of legacy data pipelines, tools, and systems, balancing rapid fixes with long-term systemic solutions.
- Mentored new hires by curating onboarding tasks and facilitating connections with key teams; conducted coding interviews to evaluate applicants and promote team growth.

Meta Platforms, Inc.

Summer 2020

Security Engineer Intern, Threat Discovery

Remote

- Adapted an account clustering system to surface and classify decentralized conspiracy networks, enabling one of the company's then-largest takedowns of a dangerous conspiracy movement.
- Integrated OSINT sources and vendor data with internal tooling to improve situational awareness and off-platform investigative coverage; collaborated with vendor-management teams to secure data access.

American University

Summer 2019

Summer Research Assistant

Washington, DC

- Developed an ML pipeline for a model leveraging NLP techniques to predict and identify malicious sequences of system calls in continuous network traffic, addressing the challenge of unstructured and variable call patterns.

EDUCATION

Northwestern University, McCormick School of Engineering

2017 - 2021

Computer Science, B.S. | International Studies Minor | Pi Kappa Alpha Fraternity

Evanston, IL

The Hotchkiss School

2013 - 2017

Secondary School Diploma

Lakeville, CT

PUBLICATIONS

Feature Extraction Based on Word Embedding Models for Intrusion Detection in Network Traffic

2020

Journal of Surveillance, Security, and Safety