

# Machine Learning Engineer - Trust and Safety, NLP

Applied

San Jose | Regular | R&D - Algorithm | Job ID: A26506

## I Responsibilities

TikTok is the leading destination for short-form mobile video. Our mission is to inspire creativity and bring joy. TikTok has global offices including Los Angeles, New York, London, Paris, Berlin, Dubai, Singapore, Jakarta, Seoul and Tokyo.

### Why Join Us

Creation is the core of TikTok's purpose. Our platform is built to help imaginations thrive. This is doubly true of the teams that make TikTok possible.

Together, we inspire creativity and bring joy - a mission we all believe in and aim towards achieving every day. To us, every challenge, no matter how difficult, is an opportunity; to learn, to innovate, and to grow as one team. Status quo? Never. Courage? Always.

At TikTok, we create together and grow together. That's how we drive impact - for ourselves, our company, and the communities we serve. Join us.

Our Trust and Safety team is fast growing and responsible for building machine learning models and systems to protect our users from the impact of negative content. Our mission is to protect billions of users and publishers across the globe every day. We embrace the state-of-the-art machine learning technologies and scale them to moderate the tremendous amount of data generated on the platform. With the continuous efforts from our team, TikTok is able to provide the best user experience and bring joy to everyone in the world.

We are looking for excellent machine learning engineers who can take initiatives, design and develop advanced machine learning solutions, and deploy them directly to TikTok's global platform. A successful candidate will have machine learning expertise and good software engineering experience. And you will take pride in working with engineers, product managers and business partners to identify and solve the most challenging safety and integrity problems in the internet scale.

### Responsibilities - What You'll Do

- Lead and build content understanding models for content moderation.
- Work on state-of-the-art content understanding techniques including but not limited to unimodal/multimodal content classifiers, graph models, representation learning models, and LLM.
- Collaborate with product teams to define business objectives and improve trust and safety strategy.
- Collaborate with engineering teams to develop machine learning models, deploy online models, and monitor



- Collaborate with engineering teams to deploy machine learning models, design online model workflow, and implement serving pipeline at scale.
- Collaborate with data scientist team to understand the key challenges and propose data-driven strategies.

## I Qualifications

Minimum Qualifications:

- BS/MS degree in Computer Science, Statistics, Operation Research, Applied Mathematics, Physics or similar quantitative fields, with 2+ years of related experience.
- Hands-on experience in one or more of the following areas: machine learning (CV/NLP/Multimodal/Graph/LLM), statistical models and applied mathematical methods.
- Strong coding skills, especially in Python and similar languages.
- Curiosity towards new technologies and entrepreneurship, good communication and teamwork skills.

Preferred Qualifications:

- Experience in LLM, multimodal modeling, representation learning and/or publications in top AI/ML conferences are a plus.
- Understanding of the business value of content understanding and content moderation.
- Experience in developing online ML systems including ranking, retrieval.

TikTok is committed to creating an inclusive space where employees are valued for their skills, experiences, and unique perspectives. Our platform connects people from across the globe and so does our workplace. At TikTok, our mission is to inspire creativity and bring joy. To achieve that goal, we are committed to celebrating our diverse voices and to creating an environment that reflects the many communities we reach. We are passionate about this and hope you are too.

TikTok is committed to providing reasonable accommodations in our recruitment processes for candidates with disabilities, pregnancy, sincerely held religious beliefs or other reasons protected by applicable laws. If you need assistance or a reasonable accommodation, please reach out to us at [gprd.accommodations@tiktok.com](mailto:gprd.accommodations@tiktok.com).

## I Job Information

### 【For Pay Transparency】 Compensation Description (annually)

The base salary range for this position in the selected city is \$145000 - \$355000 annually.

Compensation may vary outside of this range depending on a number of factors, including a candidate's qualifications, skills, competencies and experience, and location. Base pay is one part of the Total Package that is provided to compensate and recognize employees for their work, and this role may be eligible for additional discretionary bonuses/incentives, and restricted stock units.

Our company benefits are designed to convey company culture and values, to create an efficient and inspiring work environment, and to support our employees to give their best in both work and life. We offer the following benefits to eligible employees:

We cover 100% premium coverage for employee medical insurance, approximately 75% premium coverage for dependents



and offer a Health Savings Account(HSA) with a company match. As well as Dental, Vision, Short/Long term Disability, Basic Life, Voluntary Life and AD&D insurance plans. In addition to Flexible Spending Account(FSA) Options like Health Care, Limited Purpose and Dependent Care.

Our time off and leave plans are: 10 paid holidays per year plus 17 days of Paid Personal Time Off (PPTO) (prorated upon hire and increased by tenure) and 10 paid sick days per year as well as 12 weeks of paid Parental leave and 8 weeks of paid Supplemental Disability.

We also provide generous benefits like mental and emotional health benefits through our EAP and Lyra. A 401K company match, gym and cellphone service reimbursements. The Company reserves the right to modify or change these benefits programs at any time, with or without notice.

Referral applications are free. Please be alerted of any form of paid referrals.



- Company
- About
- Newsroom
- Contact
- Careers

- Programs
- TikTok for Good
- Advertise
- TikTok LIVE Creator Networks
- Developers
- Transparency
- TikTok Rewards
- TikTok Embeds

- Support
- Help Center
- Safety Center
- Privacy Center
- Creator Portal
- Community Guidelines
- Transparency
- Accessibility

- Legal
- Terms of Use
- Privacy Policy
- Disclosure



English ▼