

# Software Engineer, Machine Learning

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Facebook is seeking Machine Learning Engineers to join our engineering team. The ideal candidate will have industry experience working on a range of classification and optimization problems, e.g. payment fraud, click-through rate prediction, click-fraud detection, search ranking, text/sentiment classification, collaborative filtering/recommendation, or spam detection. The position will involve taking these skills and applying them to some of the most exciting and massive social data and prediction problems that exist on the web.

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## SOFTWARE ENGINEER, MACHINE LEARNING RESPONSIBILITIES

Develop highly scalable classifiers and tools leveraging machine learning, data regression, and rules based models

Suggest, collect and synthesize requirements and create effective feature roadmap

Code deliverables in tandem with the engineering team

Adapt standard machine learning methods to best exploit modern parallel environments (e.g. distributed clusters, multicore SMP, and GPU)

## MINIMUM QUALIFICATIONS

MS degree in Computer Science or related quantitative field or Ph.D degree in Computer Science or related quantitative field

5+ years of experience in one or more of the following areas: machine learning, recommendation systems, pattern recognition, data mining or artificial intelligence

Proven ability to translate insights into business recommendations

Experience with Hadoop/Hbase/Pig or Mapreduce/Sawzall/Bigtable

Knowledge developing and debugging in C/C++ and Java

Experience with scripting languages such as Perl, Python, PHP, and shell scripts

#### PREFERRED QUALIFICATIONS

Experience with filesystems, server architectures, and distributed systems

Facebook's mission is to give people the power to build community and bring the world closer together. Through our family of apps and services, we're building a different kind of company that connects billions of people around the world, gives them ways to share what matters most to them, and helps bring people closer together. Whether we're creating new products or helping a small business expand its reach, people at Facebook are builders at heart. Our global teams are constantly iterating, solving problems, and working together to empower people around the world to build community and connect in meaningful ways. Together, we can help people build stronger communities — we're just getting started.

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