Machine Learning Engineer
SAIC · Oklahoma City, OK 4 days ago · 2 applicants
Remote Full-time Entry level
10,001+ employees · IT Services and IT Consulting
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About the job
Job ID: 2314832

Location: OKLAHOMA CITY, OK, US

Date Posted: 2023-10-30

Category: Engineering and Sciences

Subcategory: Machine Learning Engineer

Schedule: Full-time

Shift: Day Job

Travel: Yes, 10 % of the Time

Minimum Clearance Required: None

Clearance Level Must Be Able to Obtain: None

Potential for Remote W&#

111;rk:

Descript
ion

SAIC is s&#101
;eking an indi&#118
;idual for a Ma&#9
9;hine Learning&#32
;Engineer role
to join the AI&#
32;Mission Accel&#101
;rator’s Data S&#9
9;ience team. Th&
#105;s opportunity
 allows for fu&
#108;l-time telewo
rk from anywhe
re within the
U.S.

SAIC is a&#32
;premier techn&#11
1;logy integrat&#1
11;r solving our&#3
2;nation’s most&#3
2;complex moder&#1
10;ization and r&#10
1;adiness chall&#101
;nges. Our robu&#
115;t portfolio o&#
102; offerings ac&#1
14;oss the defen&#
115;e, space, civi
lian, and inte&#
108;ligence marke&#
116;s includes hi&#
103;h-end solutio&
#110;s in engineer
ing, IT, and m&#10
5;ssion solutio&#1
10;s. Using our e
xpertise and u
nderstanding &#111
;f existing an&#100
; emerging tec&#104
;nologies, we i
ntegrate the b&
#101;st components&
#32;from our own &#1

12;ortfolio and &#11
1;ur partner eco
system to del&#105
;ver innovativ&#10
1;, effective, a&
#110;d efficient s&
#111;lutions.

The&#
32;ideal candida&#116
;e will have st
rong experien&#99
;e directly bui
lding, deploy&#10
5;ng and operati
ng machine lea&
#114;ning systems.
 They must hav&#
101; a proven abil
ity to drive b&
#117;siness result
s using artifi
cial intellige
nce-based solu&#
116;ions, in supp&#1
11;rt of various&#32
;customer miss&#10
5;ons within th&#1
01; Federal Gove&#114
;nment and othe
r Public Secto&#11
4; organization&#11
5;. You would su&
#112;port a variet&
#121; of programs &#1
05;ncluding cust&#1
11;mer deliverie&
#115;, IRAD project
s, and bid and&#32
;proposal work&#46
;

The Machine &#76
;earning Engin&#101
;er role will w
ork in a colla&#98
;orative, team-
focused envir&#111

;nment. This po&
#115;ition will he
lp progress, e
stablish, inco&#
114;porate, and ad
vance current &#
97;nd promising &#
99;oncepts to in&#10
2;orm tactical d&
#101;cision-making&
#32;timelines. Yo&#
117;r role is to &#11
2;rovide needed&#
32;technical kno&#11
9;ledge in the &#97
;reas of Comput&
#101;r Vision, Nat&#11
7;ral Language P&#
114;ocessing, AI/M
L, and Data Fus&
#105;on & Analytic&#11
5; to develop al
gorithms, sup&#112
;ort modeling a
nd simulation
efforts, and p&
#114;ovide data an&#97
;lytics skills&#32
;to deliver pr&#11
1;duction-harde&#1
10;ed solutions.&#
10;
Responsibili&#1
16;ies:

Collabor
ate with cross&
#45;functional te&#
97;ms to underst&
97;nd business r&#1
01;quirements an&#
100; translate th&#1
01;m into techni&#9
9;al solutions &#116
;hat leverage m
achine learnin&
#103;.
Design, bui&#10

8;d, and maintain complex machine learning systems, models, and pipelines for production.
Build reusable libraries and frameworks for serving machine learning models as performant APIs.
Evaluate new machine learning research and technologies and determine feasibility for adoption.
Establish MLOps best practices for machine learning development, testing, deployment, and maintenance.
Improve existing machine learning systems by enhancing models, algorithms, and pipelines.
Identify opportunities where machine learning can add value to business and operations.
Communicate complex machine learning concepts clearly an&#100

; simply to non
-technical aud&#
105;ences.
Contri&#9
8;ute to docume&#11
0;tation, knowl&#10
1;dge sharing, a
nd training to
 ensure the tr
ansfer of tech&
#110;ical knowledg&
#101; within the t&
#101;am.

Qualifica
tions

Require
d Qualificatio&#
110;s:

Must be a &#
85;S Citizen
Bach&
#101;lor's degree &
#105;n Mathematics&#4
4; Physics, Info&
#114;mation Techno&#
108;ogy field, Op&#1
01;rations Resea&#11
4;ch or related
discipline wi&#11
6;h five years &#111
;f experience.
In lieu of a d&#1
01;gree, four ad&#10
0;itional years
of experience
will be consid&
#101;red.
Proficie&#
110;cy in program&#1
09;ing languages&#3
2;such as Python&
#32;and with mach&#10
5;ne learning l&#10
5;braries such a&
#115; PyTorch and s
cikit-learn.
E&#
120;perience deve&
#108;oping and con&#
115;uming REST API&#
115; and microser&#1

18;ices.
Knowled&#10
3;e of continuo&#117
;s integration/
delivery patt&#10
1;rns and tools
(e.g., Jenkins&#
44; Azure DevOps,
 GitHub Action&#11
5;, etc.).
Hands&#45
;on experience
with MLOps too&#
108;s (e.g., MLflo&
#119;, Neptune, Az&#11
7;re ML, etc.).

Excellent comm&
#117;nication and &#9
9;ollaboration s
kills.

Desire
d Qualificatio&#
110;s:

Experienc&#10
1; with cloud pl
atforms such a&#
115; AWS, GCP, or A
zure.
Proficie&#
110;cy with conta&#1
05;nerization te&#
99;hnologies lik&
#101; Docker and K&#117
;bernetes.
Abil&
#105;ty to optimiz
e machine lear&
#110;ing models an&
#100; pipelines fo
r speed and sc&#
97;lability.
Exp&#101
;rience applyi&#110
;g computer vis
ion technique&#115
; such as objec&#1
16; detection, i&#11
0;stance or sema&
#110;tic segmentat&
#105;on, etc.
Fami&#108
;iarity with co

mputer vision&#32
;libraries and &
#102;rameworks suc&
#104; as OpenCV, To&
#114;chVision, Alb&#11
7;mentations, De
tectron2, etc.&#1
0;Experience ap&#112
;lying natural
language proce&
#115;sing techniqu
es such as nam&#1
01;d entity reco&#1
03;nition, summa&#1
14;ization, etc.

Familiarity wi
th transforme&#114
; models and li
braries.
Famil&#
105;arity with mu&#
108;timodal model&
#115;.