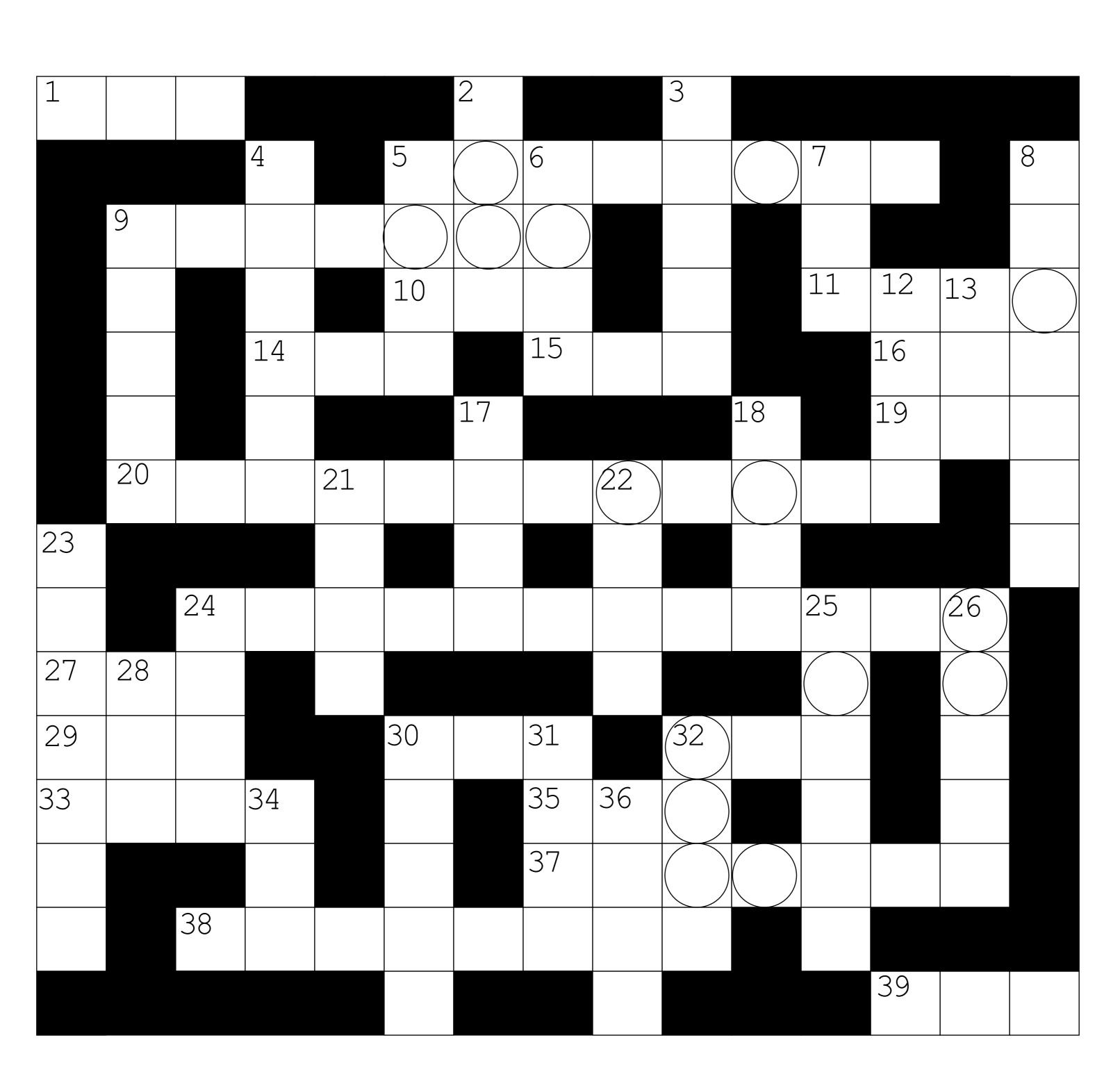# ACROSS

1 Python library combining autograd and 39 across

5 Renowned Chinese-American Stanford Professor

9 Easiest type of MDP state space

10 Ands and

11 "All you need" OG (Abbr.)

14 TCP rival

15 Auto out-loud reader

16 Words not in the training data (Abbr.)

19 The worst kind of loss

20 Forward or reverse?

24 RNN's effectiveness, according to Karpathy

27 Prefix to Op and tem

29 Type of Machine Le. with labelled data

30 Name given to a single training instance

32 Alma mater of Dr. Buolamwini

33 Robotics conference since 1984

35 Method to separate multivariate signals into independent signals

37 Machine learning, maybe?

38 What \ldots produces

39 Linear algebra compiler, used by 1 across

DOWN

2 Homophone of a bay-area research lab

3 Popular activation functions

4 What many ML theorems provide

5 Used to measure computer performance, or to describe some models' performance

6 The full word describes the masked character

7 Language the original DQN was written in

8 Type of NN introduced by 28 Down in the 1980s

9 Reparameterization ___

12 Magenta's ___ Transfer can convert any sound to some musical instruments

13 Young student's mnemonic for the non-hyperbolic version of this popular activation fn.

17 Learning that learns to learn

18 Roboticist and faculty member of 2 Down (clue)

21 Methods that recognize handwritten characters

22 A flow-based generative model, or a machine learning compiler

23 Matrix describing local curvature

24 Who most models are deployed for

25 Rich Sutton's lesson

26 Large parts of annotator jobs is data ___

28 Initials of the researcher that introduced 8 Down

30 10-year old language, might be great for ML?

31 What too many datasets have

32 What many researchers work on

34 One of the top NLP conferences

36 What to do to gradients to avoid 19 Across