

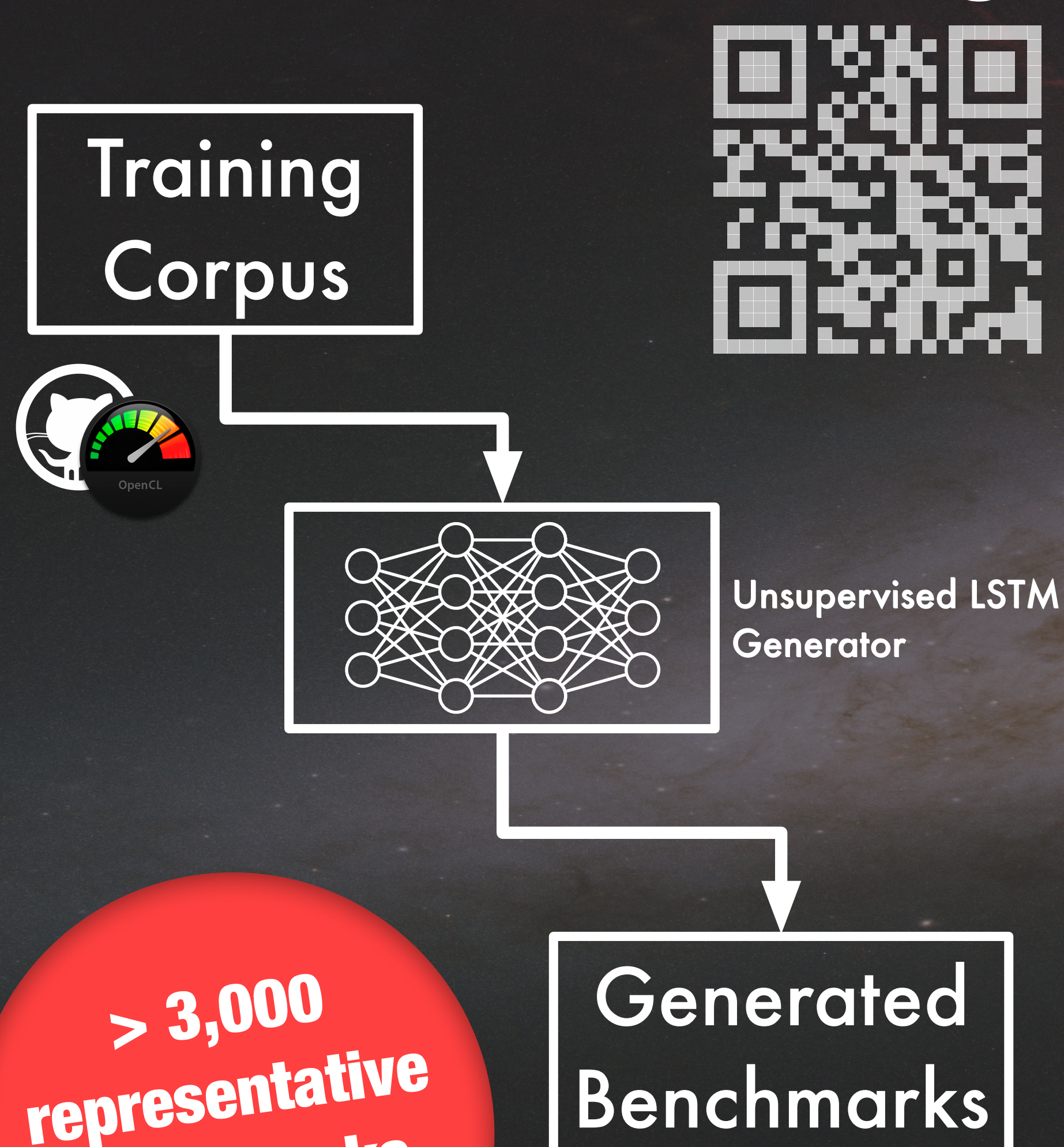
Deep Learning over Code.

Chris Cummins, Pavlos Petoumenos, Alastair Murray, Zheng Wang, Hugh Leather.

c.cummins@ed.ac.uk

**Best Paper
CGO'17**

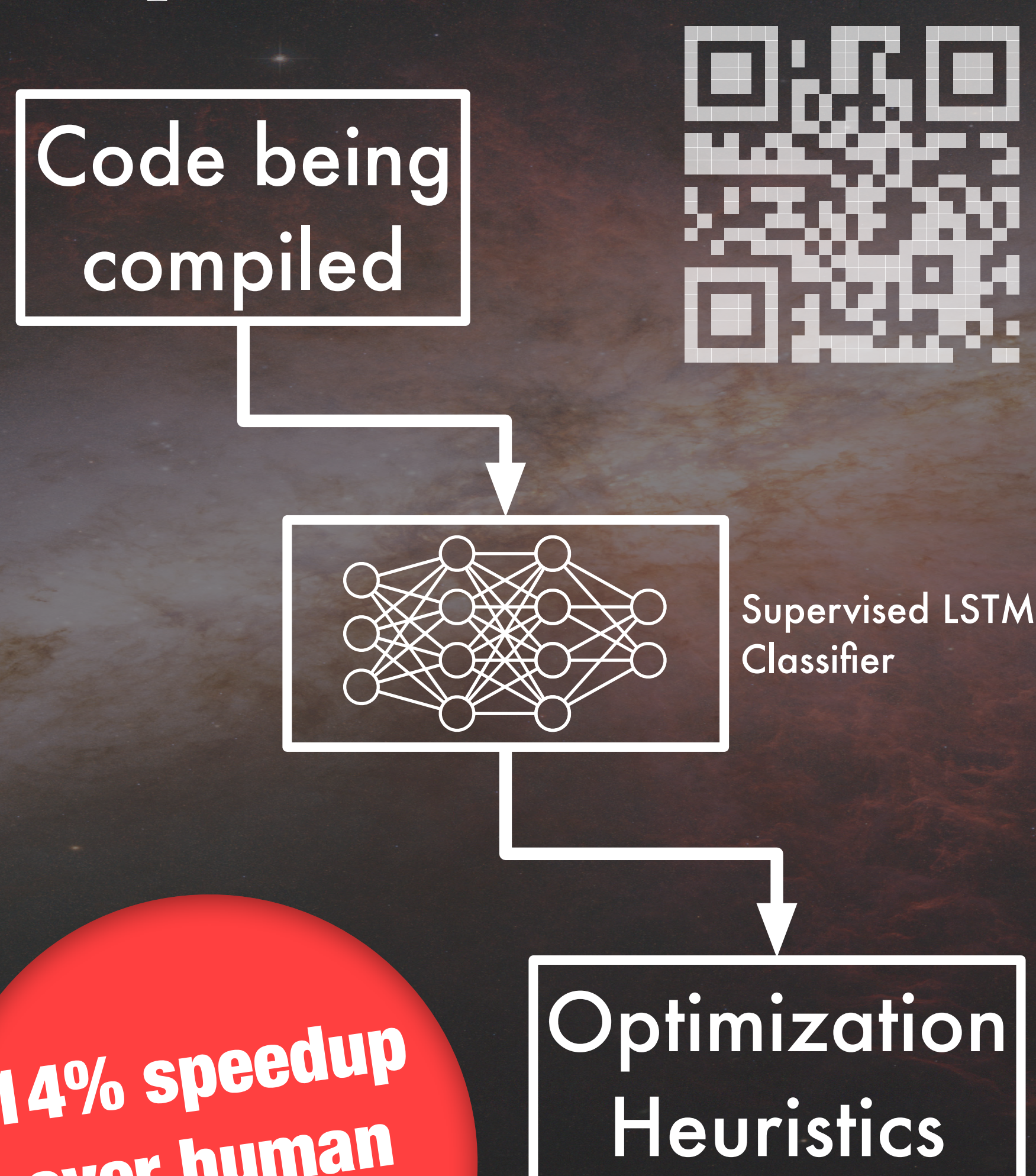
Synthesizing Benchmarks
for Predictive Modeling



> 3,000
representative
benchmarks
per day

**Best Paper
PACT'17**

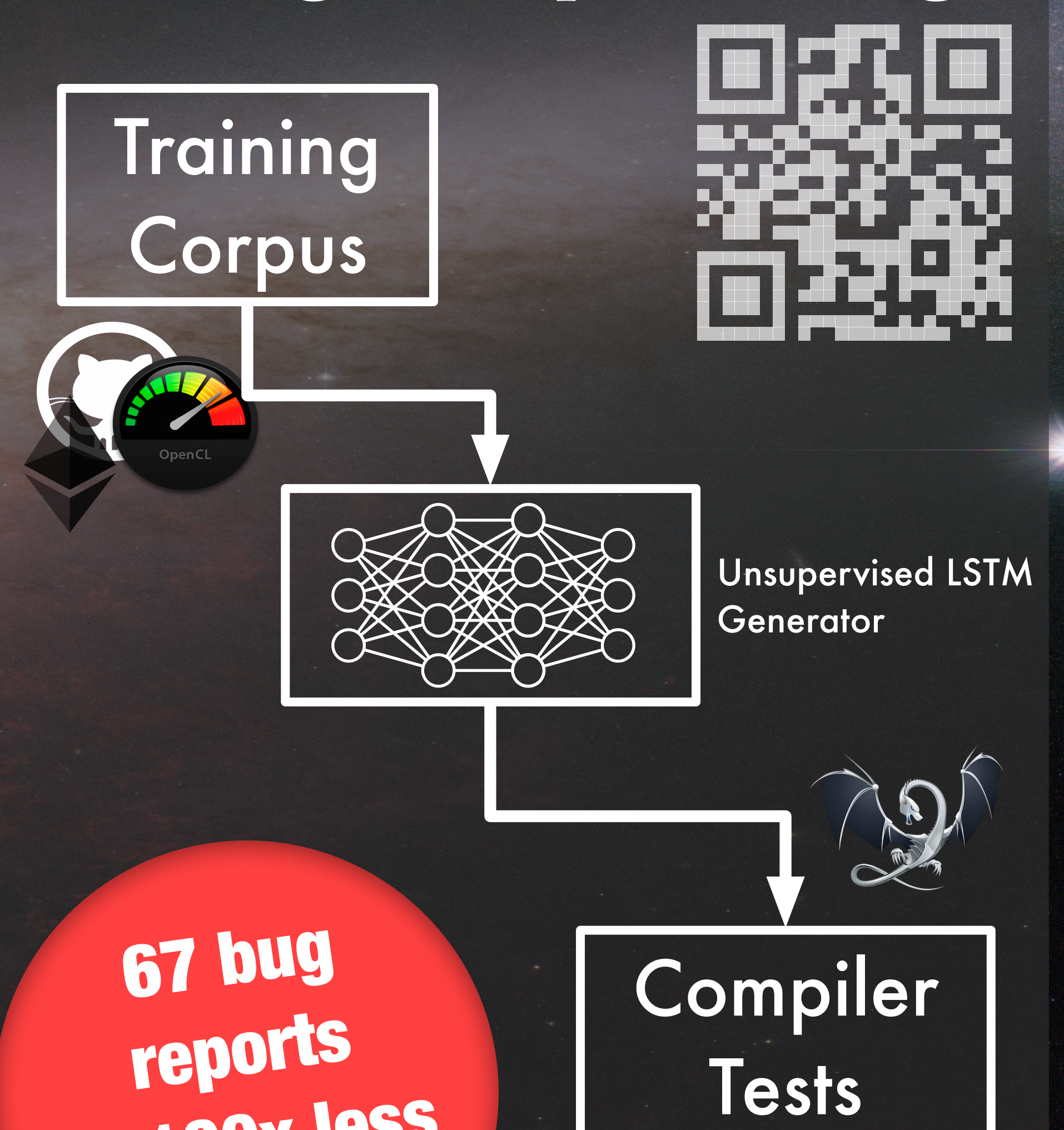
End-to-end Deep Learning
of Optimization Heuristics



14% speedup
over human
expert

**Distinguished Paper
ISSTA'18**

Compiler Fuzzing
through Deep Learning



67 bug
reports
in 100x less
code