

Sum It Up!



Our Purpose

Save graduate students, workers,
employers research time!



Research takes 50% - 75% of our time!

Studies find that close 75% of the time taken for producing something is spend on research!

We are making researches for every single thing we are doing now days. (especially programmers)





Our Tool To Summarize Text

Our app will summarize
any text you need in
seconds!

The Team

Made by students for students and workers!

Telerik

Chrome Extension and
Model

Martin

Machine Learning Models
and Algorithms

Ivona

Project Manager

Vladi

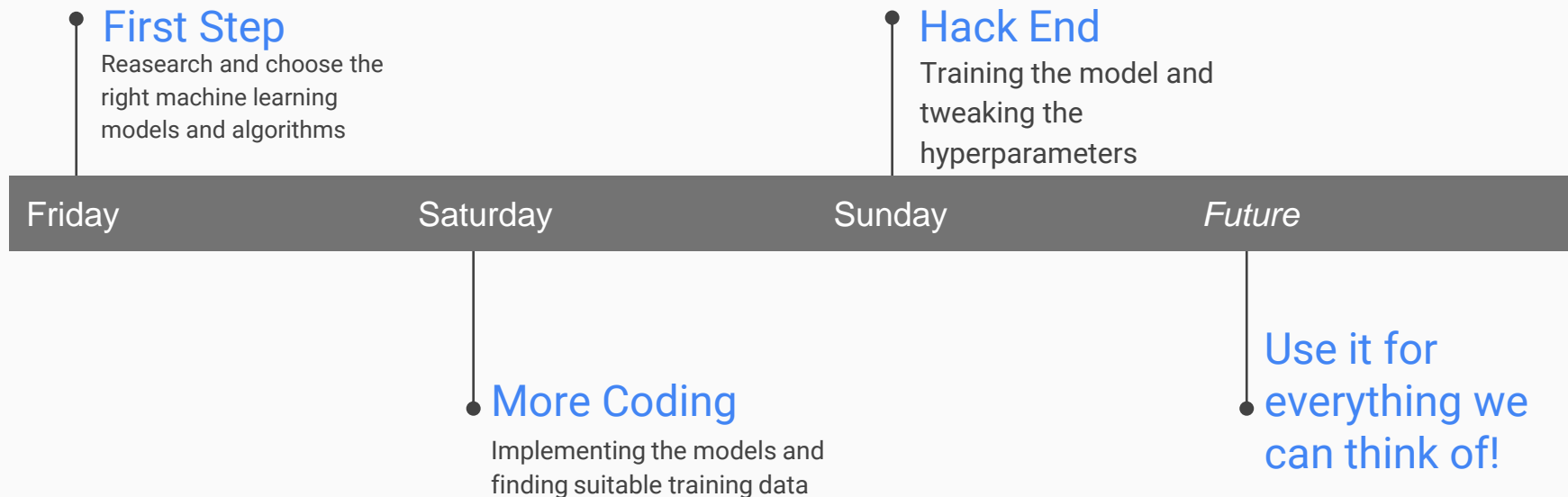
Machine Learning Models
and Algorithms

Pesho

Chrome Extension and
Model

Milestones

A bit more left to tackle ;)



How our tool works

Step 1

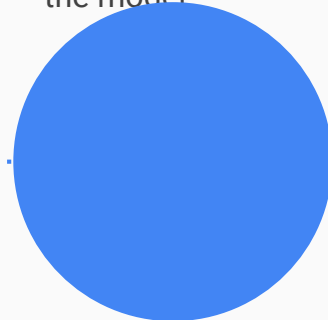
Extract text content
from a web page

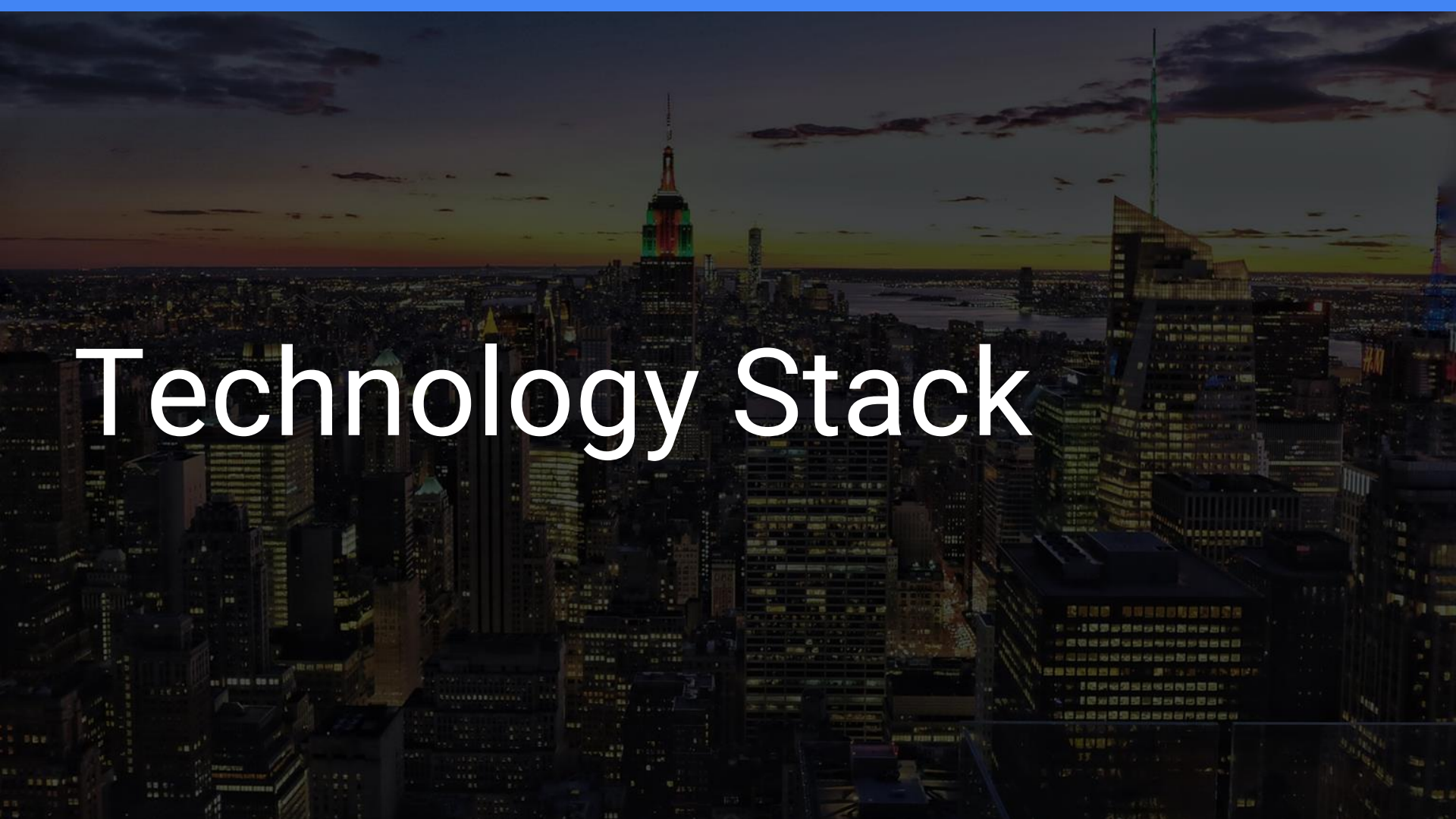
Step 2

Convert the text to word
embeddings vectors

Step 3

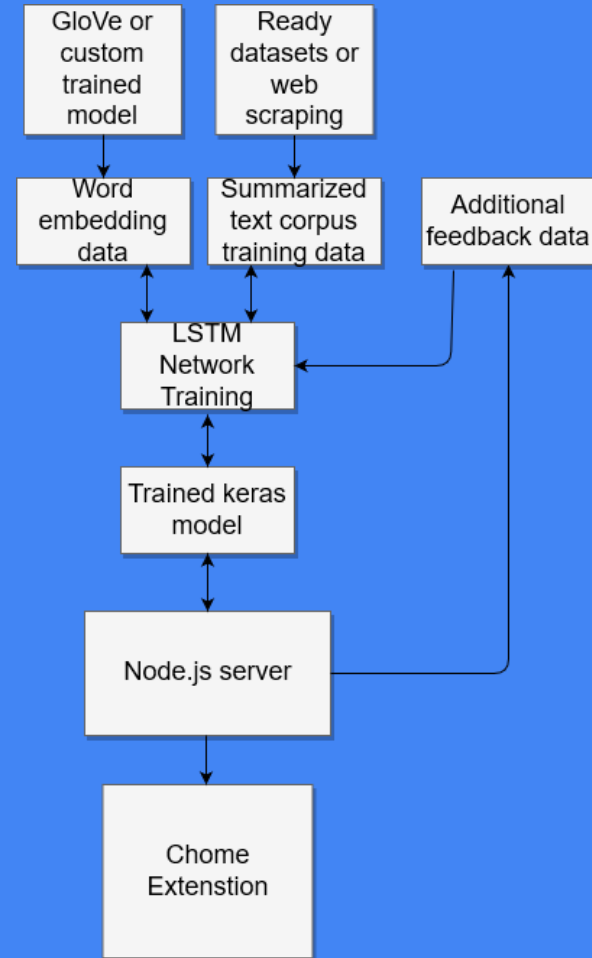
Process the data through
Seq2seq model using
Encoder and Decoder
network and feeding
the model





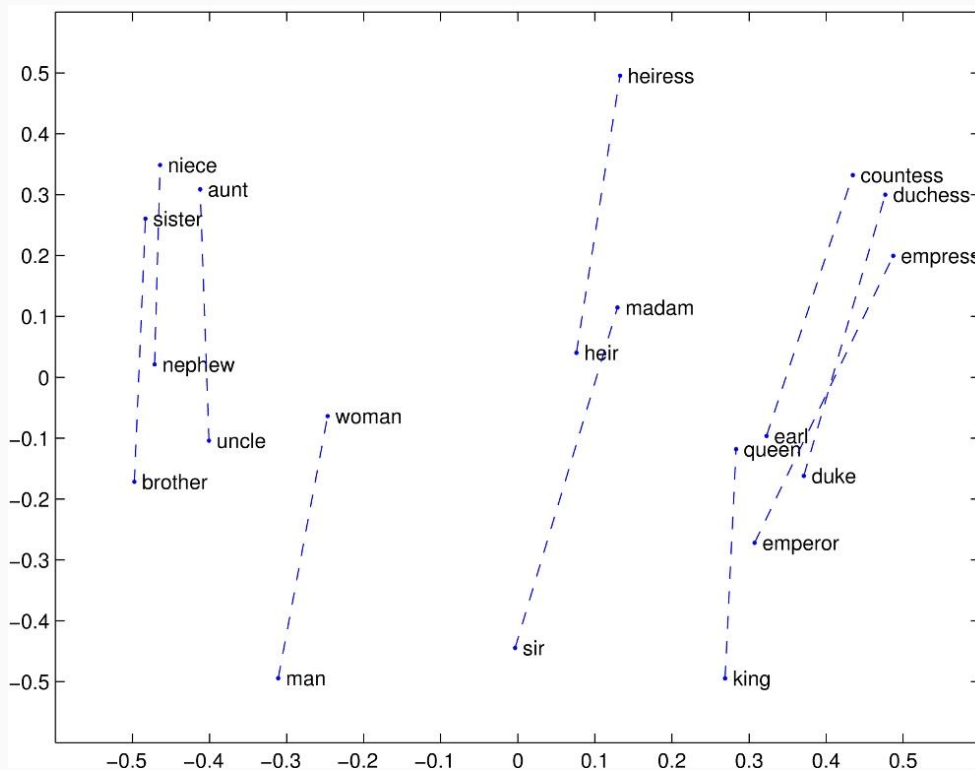
Technology Stack

Our app
construction
is looking
something
like this:



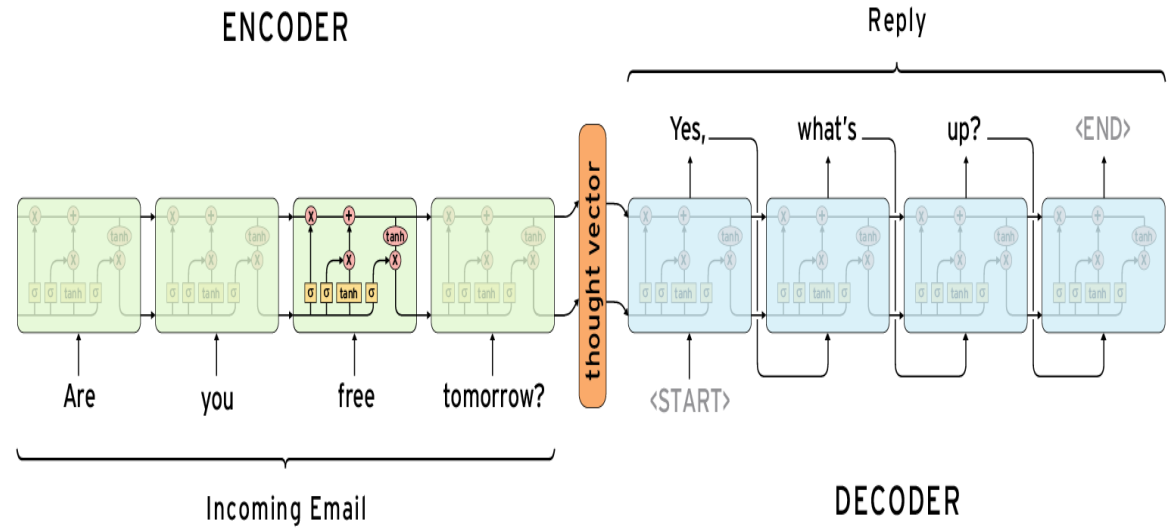
Word embeddings

- What is GloVe?
- Why do we use it?
- The advantages



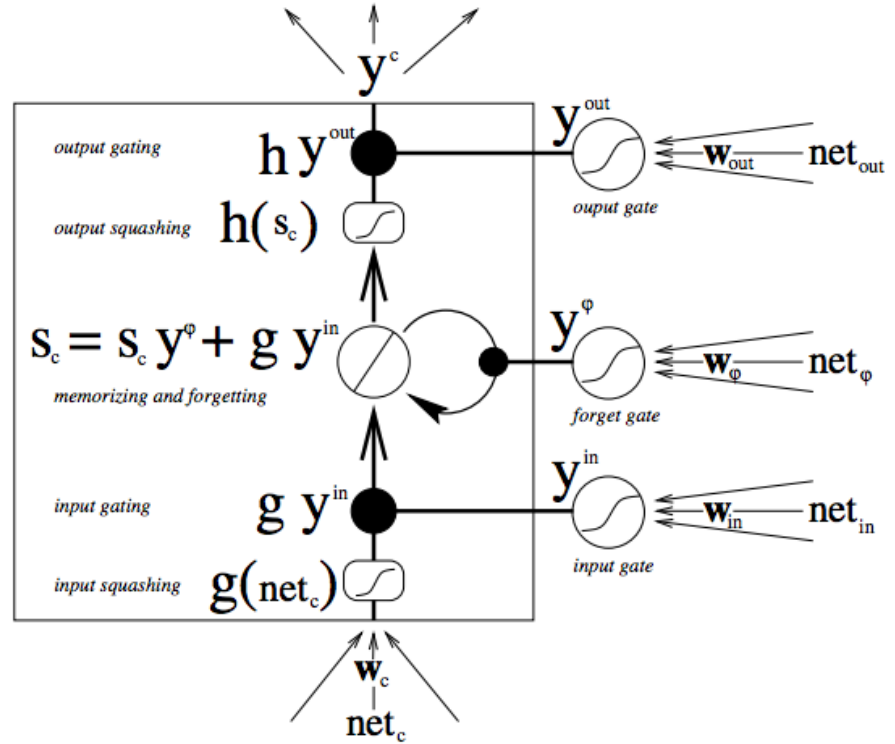
Neural network model

- Seq2Seq
- Recurrent
- LSTM
- Encoder-decoder
- How does it work?



LSTM Cell

- The main building block of the model
- Quite an old architecture

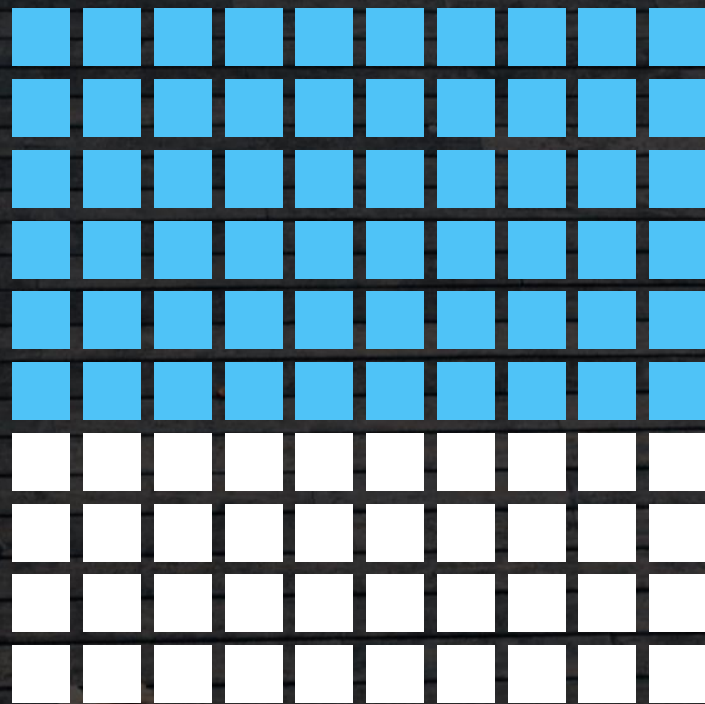


Used technologies

- Keras
- Tensorflow
- Python
- NLTK



Demo





Thanks for your
attention!

Questions & discussion