

# Project Proposal for I524

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project-1: Data mining for a wiki url , February 27, 2017

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<https://github.com/cloudmesh/classes/blob/master/docs/source/format/report/report.pdf>

## 1. PROBLEM

Given a wiki URL of a person, find out his details like School, Spouse, Coaches, language, alma-mater etc Typically, the wiki page has all this information available but in the free form text. We need to converting it into structured data format so that it can help us analyze the people, from the networks etc

## 2. SOLUTION

Use tensor flow[1] to create word vectors. Train it using manual tagging and then use the model for analytics and prediction.

Technology Name	Purpose
tensor flow	work vector and model
spark streaming [2]	realtime data analysis
ansible	automated deployment
python[3]	development
ansible[3]	deployment

## 3. DEPLOYMENT

Solution will deploy using Ansible playbook.

## REFERENCES

- [1] "TensorFlow, an open-source software library for machine intelligence," Web Page, accessed: 2017-02-26. [Online]. Available: [https://www.tensorflow.org/get\\_started/get\\_started](https://www.tensorflow.org/get_started/get_started)
- [2] "TensorFlow, an open-source software library for machine intelligence," Web Page, accessed: 2017-02-26. [Online]. Available: <https://github.com/adatao/tensorspark>
- [3] "TensorFlow, an open-source software library for machine intelligence," Web Page, accessed: 2017-02-26. [Online]. Available: [https://www.tensorflow.org/api\\_docs/python/](https://www.tensorflow.org/api_docs/python/)

**6. Conclusion** Put in some conclusion based on what you have researched

**Acknowledgement** Put in the information for this class and who may sponsor you. Examples will be given later