

About Me

Name: Arthur Kang

Position: SW Engineering Intern

Education: UC Berkeley

Major: Computer Science



About Team

Department: Test Engineering

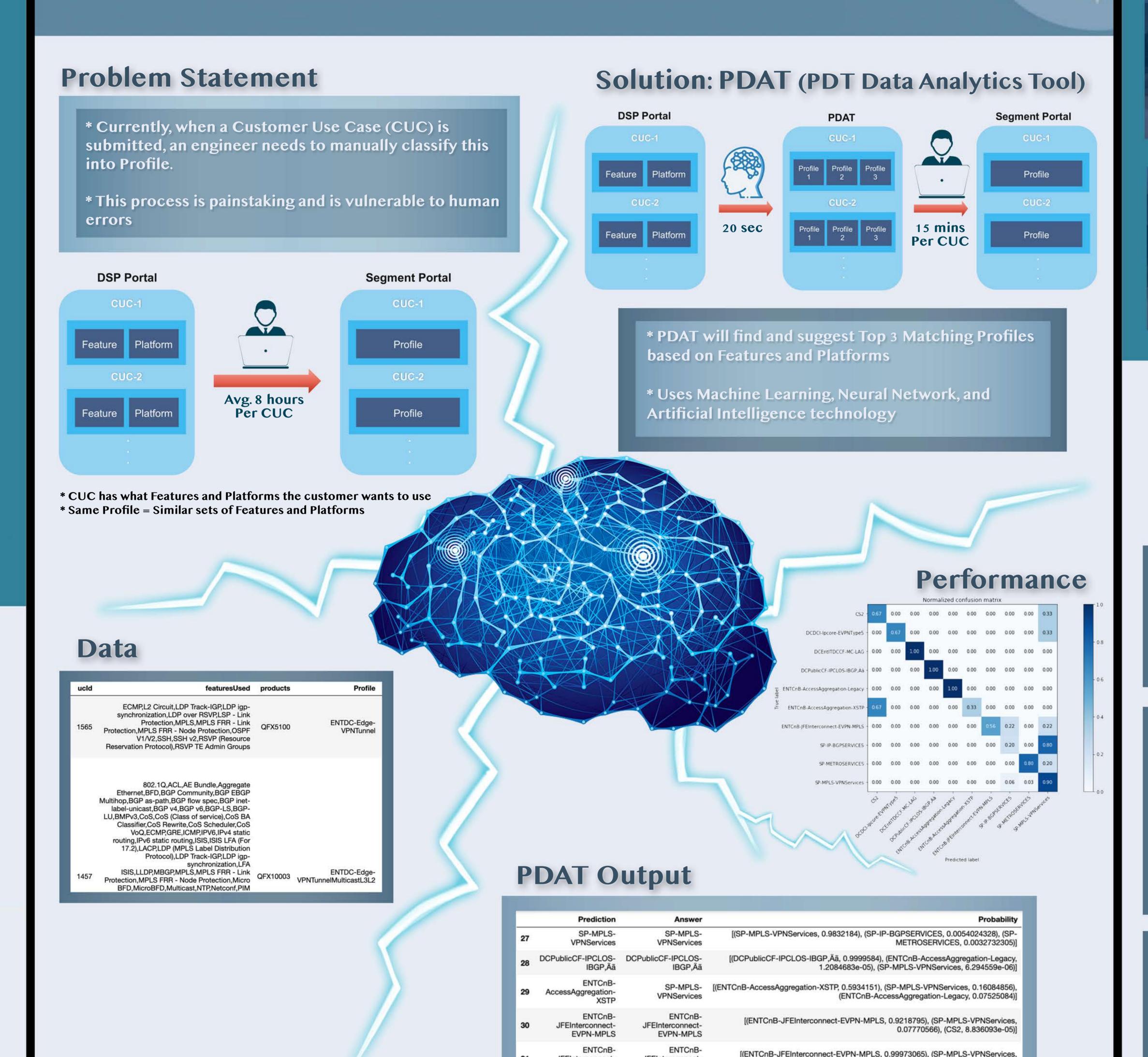
Manager: Anju Gaur

Collaborators: Ashok Jude, Harish Gona, Leo Cai

JUNIPEC.

PDT Data Analytics Tool

(Artificial Intelligence Technology)



Results

73.3% (Correct Profile for Top 1) 85.5% (Correct Profile Among Top 2) 90.8% (Correct Profile Among Top 3)

Moved to Production
Will be deployed in PDT Dashboard



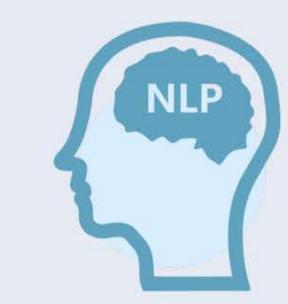
Bag of Words Algorithm

- * Counts the number of times each words appear
- * Stores the result in a vector

it it is a puppy and it is extremely cute rector it 2 they 0 puppy 1 and 1 cat 0 aardvark 0 cute 1 extremely 1

TF-IDF

- * Term Frequency-Inverse Document Frequency
- * Converts the word count to word frequency
- * Removes words that appear too few/much times



Keras Neural Network Model

- * Analyzes the data with logic structure like how humans draw conclusions
- * Creates Artificial Neurons Mimics how human brains work

