HUNG PHAN

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KEY WORDS OF INTEREST

Natural Language Processing, Machine Learning, Software Engineering, Artificial Intelligence.

SELECTED HONOUR/ AWARDS

First prize at the **Kingland Machine Learning Competition 2019** [1, 2].	5/1/2019
Honorable mentioned prize in research presentation competition of Dept of Computer Science, Iowa State University.	2/1/2018

SELECTED PROJECTS

My researches are about answering these questions:

1. How Machine Learning can be applied in Software Engineering problems?
2. Is it true that Neural Machine Translation (NMT) outperform other Machine Translation techniques in all research problems?
3. How can we improve current problems of NMT?

IntelligentCodeEditor – Designing a code editor in Java and C that allows:

1. Inferring from method name to method invocation [3].
2. Inferring code tokens from first letters (prefix).
3. Automatically notifying C common bugs.
4. Techniques: AST analyzer, machine translation.

CLPAAutoScoring – Automatically scoring students grades by their cross language programming language submissions [4].

1. Modeling submissions as feature vectors.
2. Implementing Machine Learning models to predict students score.
3. Techniques: Documentation vectorization.

EDUCATION

School	Major	Degree	GPA	Start date	End date
Iowa State University of Science and Technology	Computer Science	Doctorate	3.44	8/1/2016	5/1/2020
Hanoi University of Science and Technology	Software Engineering	Bachelor of Engineering	3.38	8/1/2007	6/13/2012

REFERENCES

1. https://info.kingland.com/machine-learning-competition
2. https://github.com/pdhung3012/confres
3. Self Learning from Large Scale Code Corpus to Infer Structure of Method Invocations. Hung Phan. ASE-LBR 2019. **https://2019.ase-conferences.org/details/ase-2019-Late-Breaking-Results/7/Self-Learning-from-Large-Scale-Code-Corpus-to-Infer-Structure-of-Method-Invocations**
4. https://github.com/pdhung3012/CLPA