

VILÉM ZOUHAR

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EDUCATION

Charles University in Prague

2017/18 - Exp. 2019/20

Bsc. in Computer Science

220 ECTS (gained in 5 semesters, 251 ECTS planned in total)

specialization in Computational linguistics

(180 ECTS is mandatory, 71 ECTS were optional extra)

ACADEMIC PROJECTS AND PUBLICATIONS

A Collection of Machine Learning Exercises

2018/2019

- Successfully finished for the Student's Faculty Grant
- 50 pages of ML tasks with solutions in R
- Full version with solutions available only per request (used as [teaching material](#))

Ptakopět/Bergamot

2018-present

- Participation in the [Bergamot](#) project for client-side MT in web browsers
- Experimental UI for Outbound Translation [Ptakopět](#)

Outbound Translation User Interface Ptakopet: A Pilot Study

accepted at LREC 2020

- Results of the first experiment from Ptakopět/Bergamot
- So far [available](#) on arXiv.org

Second Ptakopět/Bergamot Experiment (*name TBD*)

planned in Spring 2020

- Cooperation on a larger experiment with a team from Edinburgh

Lost in Back-Translation:

planned in Spring 2020

Which Translation Errors Get Recovered by Reverse MT System?

- Spin-off of our backtranslation research

TECHNICAL KNOWLEDGE

Programming JS/TS, C/C++, Python, C#, R
Toolkits TensorFlow 2.0+, NLTK, Pandas
Misc. Bash, UNIX/Linux administration

LANGUAGE PROFICIENCY

Czech Native
English C1-C2 (CAE grade B / 198)
German A2-B1
Polish A1-A2

WORK EXPERIENCE

Previo

summer 2018

Development of multilayer CMS using JS, PHP, Zend and MySQL

BIM Project

summer 2017

Development of plugins for the ArchiCAD suite with C++/Boost and C#

Web development

2015-2017

Participation in several commercial projects: Brno bez vizuálního smogu, [mrfox.cz](#), [velab.cz](#) and [in-timedcare.cz](#) using the PHP/JS/HTML/CSS stack

EXTRA-CURRICULAR

Academic senate

2018-present

Member of the Academic Senate at Charles University Faculty of Mathematics and Physics

Game Jams

2015-present

Various game jams, mostly Ludum Dare; several [games](#) programmed and presented in limited time

Misc. projects

present

Small projects either for convenience, or as a hobby; code hosted at [GitHub](#)

Kasiopea

2017-2019

Organization of Kasiopea, an annual coding competition for highschool students