

Richárd Krisztián Csáky

Budapest, Hungary • +36 (30) 240-1710
ricsinaruto@hotmail.com • <http://csaky-richard-krisztian.strikingly.com/> • <https://www.github.com/ricsinaruto>

EDUCATION

Budapest University of Technology and Economics, Budapest, Hungary

- [MSc](#) in Software Engineering Sep 2018 – Jun 2020
 - Main specialization in AI and NLP
- [BSc](#) in Mechatronics Engineering Sep 2014 – Jan 2018
 - Degree GPA: 4.79/5.00, Excellent with Highest Honours
 - [Thesis](#): Parking Spot Recognition and Visualization with Semantic Segmentation

PAPERS

- Improving Neural Conversational Models with Entropy-Based Data Filtering May 2019
 - To appear at ACL 2019. Check github [repo](#) and paper [link](#).
- Deep Learning Based Chatbot Models ([paper](#)) Nov 2017
 - My [notes](#) on 150 publications that I have read in the field of deep learning, focusing on dialog agents.
- [Study](#) of protein circuits using self-developed software ([GitHub](#)) Nov 2016

AWARDS

- First place at the National Scientific Students' Associations Conference ([paper](#)) Apr 2019
- First place at the Scientific Students' Associations Conference ([paper](#)) Nov 2017
- Second place at the Scientific Students' Associations Conference ([paper](#)) Nov 2016

WORK

EXPERIENCE

Robert Bosch GmbH, Budapest, Hungary

- Software Engineer, Driver Assistant Division Apr 2018 – Aug 2018
Continued the work described below (in my internship), as a full-time employee. Collected a much larger dataset and experimented with the [YOLO model](#), with good results.
- Software Engineer Intern, Driver Assistant Division Jul 2017 – Mar 2018
For my [BSc thesis](#), I built a user interface in OpenGL and OpenCV for selecting parking spots projected on the ground on the real-time feed of a camera. Moreover, I collected and labeled my own dataset, and I researched and trained semantic segmentation models. Please contact me for a copy of my thesis.

Department of Automation and Applied Informatics, Budapest, Hungary

- NLP Researcher Apr 2018 – Jan 2019
Researched data filtering [methods](#) to improve neural chatbots, submitted the [work](#) to EMNLP.
- Project Laboratory Supervisor Feb 2018 – Present
I advised an undergraduate student on a [research project](#) related to unsupervised NMT, and I'm also currently supervising several others working on my Neural Chatbots project.
- Teaching Assistant Feb 2017 – Jun 2017
I was a teaching assistant for electrical engineering labs. I helped students complete the lab by explaining the theoretical material and by helping them put together the experiments.

VOLUNTEER ACTIVITIES

Budapest Cultural Center, Budapest, Hungary

- Informatics Lecturer Oct 2012 – May 2013
I taught older people how to use the internet and useful websites like facebook, gmail, google and others.

LANGUAGES

- Hungarian, Romanian: Native language.
- English: C1 level (TOEFL iBT: 115/120).
- French: B2 level (Advanced level high school final exam).

IT SKILLS

- Microsoft Office (Excel, Word, Power Point, Access)
- Mathematica, Inventor, NI LabView, Ansys, R (studied during 1 semester)
- C/C++ (studied during 3 semesters, used in projects)
- Python, Java, Matlab (studied during 2 semesters, used in projects)
- OpenGL, TensorFlow, PyTorch, [Processing](#), LaTeX, Git (self-taught, used in projects)