Richárd Krisztián Csáky

Kada utca 87., Budapest 1106, 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

- BSc in Mechatronics Engineering — Sep 2014 – Jan 2018
  - Degree GPA: 4.79/5.00, Excellent with Highest Honours
  - Main Subjects: Power Electronics (taught in English), Fundamentals of FEM (taught in English), Control Theory, Image Processing, Digital Electronics, Analog Electronics, Data Mining, C/C++
  - Thesis: Parking Spot Recognition and Visualization with Semantic Segmentation
  - Advisers: Viktor Kovács, Krisztián Németh

RESEARCH EXPERIENCE

Department of Automation and Applied Informatics, Budapest, Hungary

- Deep Learning Based Chatbot Models (GitHub) — Apr 2017 – Present
  - Supervisor: Dr. Gábor Recski
  - My notes on 100 publications that I have read in the field of deep learning, focusing on dialog agents.
- Study of dipole-dipole coupled protein-based circuits using self-developed simulation software (GitHub) — Oct 2015 – May 2017
  - Supervisor: Dr. Balázs Rakos

AWARDS

Budapest University of Technology and Economics, Budapest, Hungary

- First place at the Scientific Students' Associations Conference — Nov 2017
  Deep Learning Based Chatbot Models paper.
- Second place at the Scientific Students' Associations Conference — Nov 2016
  Study of dipole-dipole coupled protein-based circuits using self-developed simulation software paper.

WORK EXPERIENCE

Robert Bosch GmbH, Budapest, Hungary

- Software Engineer Intern, Camera based Driver Assistant Division — Jul 2017 – Present
  For my BSc thesis, and the further work on this project, 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.

Department of Automation and Applied Informatics, Budapest, Hungary

- Project Laboratory Supervisor — Feb 2018 – Present
  I advise an undergraduate student on a research project related to unsupervised NMT.
- 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 (studied during 1 semester)
- C/C++ (studied during 3 semesters, used in projects)
- Java, Matlab, R (studied during 1 semester, used in projects)
- OpenGL, Python, TensorFlow, Processing, LaTex (self-taught, used in projects)

HOBBIES

Piano, Hiking, Driving, Chess

CV compiled on 2018-03-21