ELIAS KASSAPIS MSc in Artificial Intelligence

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SUMMARY

I am a fast-learning, driven and creative individual, looking to apply and develop my skills at the exciting intersection of cutting edge research and product development. My multi-disciplinary background, high affinity for research, and ability to work under pressure make me an excellent addition to any team looking to grow and innovate.

WORK EXPERIENCE

Autonomous Driving Research Intern

TomTom

Nov 2019 – August 2020 Amsterdam

Conducted my MSc Thesis project on uncertainty-aware adversarial neural networks for stochastic semantic segmentation:

- Attained state-of-the-art results on stochastic semantic segmentation of medical images and urban scenes;
- First inventor of UK patent application GB2007918.2 "Neural Network Model for Image Segmentation";
- Produced a paper that will be submitted to ICCV 2021.

Deep Learning/Computer Vision Research Intern

3D Universum

Jul 2019 – Aug 2019 Amsterdam

Conducted my own research project on face reenactment:

- Re-implemented and experimented on state-of-the-art conditional Generative Adversarial Networks (cGANS) for few-shot face synthesis, using PyTorch, Python.

Research Intern

Centre of Neuroregeneration

Jul 2016 – Aug 2016 Edinburgh

Conducted my own research project on spinal cord regeneration:

- Awarded the Undergraduate Student Summer Vacation Research Scholarship 2016 by the Anatomical Society;
- Presented findings at the Anatomists on the Edge 2017 conference, Galway, Ireland (27-29th of June).

Lance Corporal

Cypriot National Guard

Jul 2011 – Jul 2013 Cyprus

Infantry soldier with specialization in anti-tank missiles:

- In charge of a post manned by 16 soldiers;
- Responsible for the training of junior soldiers in my unit;
- Awarded the honorary rank of Lance Corporal in recognition of my discipline and leadership skills.

EDUCATION

M.Sc. in Artificial Intelligence

Universiteit van Amsterdam

Aug 2018 – Aug 2020

- Graduated with *cum laude* (Dutch GPA: 8.32/10);
- Relevant modules include Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Reinforcement Learning, Information Retrieval, Knowledge Representation and Bioinformatics.

B.Sc. in Biomedical Sciences (Neuroscience)

University of Edinburgh

Sept 2013 – June 2017

- Achieved a 2:1 (overall mark = 68.1%);
- Relevant modules include Neuroscience, Neurobiology of Cognition, and Mechanisms of Brain Development;
- My BSc thesis work contributed to a publication:

  Tsarouchas et al., 2018. Dynamic control of proinflammatory cytokines Il-1β and Tnf-α by macrophages in zebrafish spinal cord regeneration. Nature communications, 9(1), pp.1-17.

PROJECTS

- Numerous machine learning research projects, including:
  - "Face Image Synthesis conditioned on Target Landmark Appearance";
  - "Prediction of tumour methylomes using machine learning";
  - "Comparing natural language processing methods for sentence-level sentiment analysis using distributed representations";
- Developed a large variety of machine learning models such as Random Forrest Classifiers, SVMs, MLPs, RNNs, LSTMs, CNNs, GNNs, GANs, VAEs, and NFs.

SKILLS

- **Languages:** Greek (native), English (fluent);
- **Programming Languages:** Python, Matlab, R;
- **Statistical Software:** GraphPad;
- **Operating Systems:** Windows, Linux;
- **Other:** PyTorch, Git, Slurm, LaTeX, Microsoft Office.

INTERESTS

- Music (Grade 8 Guitar, Grade 5 Music Theory);
- Cognitive Neuroscience;
- Taekwondo (Half-black belt).