## Summer Internships 2022
### MSc & PhD Students

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Intership opportunity at Medtronic Visualization group:

Deep learning and computer vision intern

**Job description:** At Medtronic, we believe in the power of medical technology to improve lives. As an intern in the Visualization group, you will join an interdisciplinary team focusing on novel imaging-based applications for surgeries. You will work on cutting-edge AI technology, revolutionizing the way healthcare is delivered.

Hands-on development of AI-based video-analytics algorithms for medical applications, including classification and segmentation of objects, scene understanding and integration of AI applications in a real-time imaging pipeline.

**Requirements:**

1. Studying towards an MSc or a PhD degree in Computer Science with GPA>90.
2. Hands-on experience in:
   a. Deep learning and computer vision.
   b. Python programming.
   c. PyTorch (preferred) or TensorFlow.

**Nice to have:**

1. Research related to deep learning or computer vision.
2. Hands-on experience in:
   a. Medical imaging.
   b. NVIDIA GPU programming.

**Location:** Petah Tikva/Yokneam/Home (flexible)

**Duration:** 3 months (part time, possibility for extension)

**Contact details:** rami.cohen@medtronic.com
Job description: As a Science Intern in the Alexa Shopping Research team, you will work with top researchers and engineers to explore and devise new AI technologies to predict and satisfy the needs of Alexa’s (Amazon voice assistant) users. During your internship you will research and implement new technologies related to machine learning, including deep learning, search and NLP and will aim at submitting your results to a top research conference. Ideally, you are enrolled in a PhD program, have strong CS foundations, solid programming skills, have already published at a peer-reviewed conference, and have already some expertise in one or several of the following areas: Information Retrieval, Web data mining, Machine Learning, Natural Language Processing, Computer Vision, Speech, or Artificial Intelligence in general.

Requirements:

BASIC QUALIFICATIONS

- Second year MSc in Computer Science, or related field.
- Submitted a research paper to a top conference.
- Strong CS foundations (data structures and algorithms).
- Proficiency in at least one programming language such as C/C++, Java, or Python.
- Good writing and verbal English skills.

PREFERRED QUALIFICATIONS

- PhD candidate in Computer Science, or related field
- Knowledge of AI-related technologies (e.g., Machine Learning, Deep Learning, Natural Language Processing, Information Retrieval, Computer Vision) and cloud technologies (e.g., AWS)
- Excellent communication and collaboration skills.

Apply at www.amazon.jobs
Toga Networks (Huawei)

Deep Learning Algorithms Intern

**Job description:** Intern position (2 days a week) for innovative algorithmic research and hands-on PoC (proof of concept) developments of Huawei’s unique cutting-edge autonomous driving technologies. Focus on sensing and low level vision sides. Such as video ISP, fusion of multi-modality detectors & self – supervised methods. Research of new technologies and papers publications.

**Requirements:**
- Student for M.sc. or Ph.D in Computer Science / Electrical Engineer / or similar fields from a leading institution.
- Experience with deep learning research (academy or industry)

**Advantage**
- Experience in the industry from relevant ADS / ADAS Companies
- Experience with cameras technologies such as Image or Video Processing / Real Time 3A algorithms / camera’s ISP (Video / Image) algorithms
- Background in image processing / computer vision
- Background in depth sensors technologies such as LiDAR and / or unique imaging cameras such as non-RGB cameras and / or other detectors used in the automotive industry
- Relevant academic publications in leading conferences / journals

**Contact details:** inbal.klebanov@toganetworks.com
IBM Research lab

Cloud, Security, Drone Technologies, Quantum, AI Applied Science, AI Language

Please find here the list of internships and links for applying