

GEORGE KOUR

PERSONAL INFORMATION

Address 3 Simha Holzberg st., Tel-Aviv Jaffa, Israel
E-mail kourgeorge@gmail.com
Website www.kour.me
Linked-In Page <http://il.linkedin.com/in/georgekour/>
Researcher Page <http://researcher.ibm.com/researcher/view.php?person=ibm-GKOUR>
Phone (M) 052-5808010 · (H) 077-6591079

WORK EXPERIENCE

2017 – Present Machine Learning Researcher
IBM RESEARCH **Language and Conversation Group**
The machine learning technologies team develops and leverages artificial intelligence algorithms and machine learning techniques for natural language processing. As a researcher in the team I help developing, and training deep neural networks with an emphasis on sequence analysis using recurrent neural networks and reinforcement learning, mainly for natural language tasks.

2016 - Present Lecturer - Junior Faculty Member
HAIFA UNIVERSITY **Sagol Department of Neurobiology**
I developed and currently teach an introductory course in scientific programming using Matlab. The course is intended for neuroscience graduate students. Its goal is to give introductory programming and problem solving skills to enable them exploiting the power of computing in their research.

2016 – 2017 Research Engineer
HEWLETT PACKARD ENTERPRISE LABS **Analytics Lab**
In my position I was involved in several efforts in the lab including developing algorithms for Business Intelligence, clustering by intent and implementing deep neural networks for anomaly detection.

2014 – 2016 Data Science Engineer
HP SOFTWARE R&D **Project: Predictive ALM**
As a technical lead of the predictive ALM team, I was responsible for implementing predictive capabilities on top of the data stored in HP application management line of products such as Application Lifecycle Management (ALM), Agile Manager (AGM) and Modern Quality Management (MQM).

2009 – 2014 Software Developer
HP SOFTWARE R&D **Project: Application Lifecycle Management (ALM)**
I was a member of the client infrastructure team that was responsible for the .Net desktop client platform of ALM. After two years in this position, I have moved to the web client infrastructure team developing the new web interface of ALM, using the Angular platform.

EDUCATION

2016 – Present Ph.D Candidate in Neurobiology
HAIFA UNIVERSITY SAGOL DEPARTMENT OF NEUROBIOLOGY
Research Intent: My research aim at elucidating the neural basis of the state representation in the brain.
Advisor: Dr. Genela MORRIS

TEL-AVIV
UNIVERSITY

2011 – 2014 Master of Science in Electrical Engineering (CUM LAUDE)

FACULTY OF ENGINEERING · GPA: 93.8

Thesis Title: *Real-time Segmentation and Recognition of On-line Handwritten Arabic Script*

Description: The thesis proposes an approach for segmenting Arabic handwritten strokes while being scribed using classification method based on the EMD metric approximation into the wavelets domain.

Advisors: Prof. Dana RON & Dr. Raid SAABNE

TECHNION -
ISRAEL INSTITUTE
OF TECHNOLOGY

2004 – 2009 Bachelor of Science in Computer Engineering

FACULTY OF COMPUTER SCIENCE · GPA: 83.4

Specialization: *Programming languages and Scientific Programming*

Description: A four-year degree that run in conjunction with the department of Electrical Engineering. The purpose of this track is to educate engineers knowledgeable in both hardware and software systems.

PUBLICATIONS

April 2018 Estimate and Replace: A Novel Approach to Integrating Deep Neural Networks with Existing Applications

ARXIV PREPRINT: 1804.09028 (2018)

Authors: Guy Hadash, Einat Kermany, Boaz Carmeli, Ofer Lavi, George Kour, Alon Jacovi.

March 2017 An Algorithm for Handling Time Prediction of Software Defects

INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Authors: George Kour, Shaul Strachan, Raz Regev

September 2016 Prediction-Based, Prioritized Market-Share Insight Extraction

INTERNATIONAL CONFERENCE ON ADVANCED DATA MINING AND APPLICATIONS

Authors: Renato Keshet, Alina Maor, George Kour

September 2014 Real-time Segmentation of On-line Handwritten Arabic Script

INTERNATIONAL CONFERENCE ON FRONTIERS IN HANDWRITING RECOGNITION

Authors: George Kour, Raid Saabne

August 2014 Fast Classification of Handwritten On-line Arabic Characters

INTERNATIONAL CONFERENCE OF SOFT COMPUTING AND PATTERN RECOGNITION

Authors: George Kour, Raid Saabne

PATENTS

March 2018 Strachan Shaul, Kour George, Regev Raz, inventors; Entit Software LLC, LP, assignee. **Timing estimations for application lifecycle management work items determined through machine learning.** United States patent application US20180088939A1.

April 2017 Strachan Shaul, Kour George, Regev Raz, inventors; Hewlett-Packard Development Company, LP, assignee. **Using machine learning regression to estimate time for completing application lifecycle management work item.** United States patent application WO2017069743A1.

October 2016 Kour George, Toplian Yaniv, Vinik Alon, inventors; Hewlett-Packard Development Company, LP, assignee. **Quality prediction.** United States patent application US20160307133A1.

HONOURS & AWARDS

TEL-AVIV UNIV.	March 2015 · Graduation With Honors - CUM LAUDE.
HP SOFTWARE R&D	January 2015 · Gold Innovator Award - In recognition of outstanding innovation efforts.
	August 2014 · Innovator Award - For making a valuable contribution through a promising innovation.
TECHNION - IIT	Winter 2009 · Excelled With Praise - Dean's List.
	Winter 2008

PROGRAMMING SKILLS

<i>Languages</i>	TENSORFLOW, Python, MATLAB, JAVA, SQL, C#, Angular, JAVASCRIPT
<i>Environments & Tools</i>	Windows, Unix, Git, L ^A T _E X, Weka, Amazon AWS

LANGUAGES

ARABIC	· Mother-tongue
HEBREW	· Bilingual proficiency
ENGLISH	· Full professional proficiency