
OBJECTIVE	Research and Development, Software Engineering	
TECHNICAL SKILLS	NLP, Machine Learning, AI, C/C++, Java, Matlab, Perl, Windows, Unix	
EDUCATION	<p>CARNEGIE MELLON UNIVERSITY Pittsburgh, PA December 2005 Masters of Science, School of Computer Science – Language Technologies Institute Focus: Graphical Models and Machine Learning Advisor: Dr. Chris Langmead, GPA: 3.6/4.0</p> <p>HEBREW UNIVERSITY OF JERUSALEM, Jerusalem Israel May 2001 Masters of Science, Department of Computer Science Focus: Artificial Intelligence and Machine Learning, GPA: 94.1/100</p> <p>HEBREW UNIVERSITY OF JERUSALEM, Jerusalem Israel May 1998 Bachelor of Science, in Computer Science & Statistics Graduated Magna Cum Laude, GPA: 92.1/100</p>	
WORK EXPERIENCE	<p>Digital Trowel, Airport City, Israel Jan. 2009 – August 2009 Natural Language Processing Software Engineer</p> <ul style="list-style-type: none"> • Developing CFG Rulebooks from a company's proprietary CRF-based information extraction engine. • Developing mainly in C++ and Perl. <p>LNTS TECHNOLOGIES, Rehovot, Israel Aug. 2008 – Feb. 2009 Research Engineer</p> <ul style="list-style-type: none"> • Conducted state of the art research in the areas of Speech Recognition. • Designed and implemented together with a programmer a search algorithm (decoding) for words within phoneme output. • Developing mainly in C++ and Matlab. <p>BBN TECHNOLOGIES, Cambridge, MA Feb. 2006 – Nov. 2008 Research Engineer</p> <ul style="list-style-type: none"> • Conducted state of the art research in the areas of NLP and information extraction. • Worked on an Information Extraction engine, improving it, speeding it up and porting it from Windows to Linux. • Evaluated dual Windows/Linux configuration management systems and incorporated CMake into the text & speech department. • Regularly running cross-validation experiments and training different statistical models, such as Name Entity Retrieval models, parsers and Entity Type classifiers. • Developing in C++ Perl and Python. <p>CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA Fall 2002 – Jan. 2006</p>	

Research Assistant

- Conducted research in the areas of Machine Learning, Bioinformatics and Computer Vision. Developed and implemented novel algorithms.

BAOBAB TECHNOLOGIES, Hod-Hasharon, Israel

Oct. 2000 – Jun. 2002

Software Engineer

- Baobab Technologies developed robust spoken mixed-initiative dialogue systems for domains such as banking and travel reservations
- Involved with this start-up company from its beginning.
- Programmed in C++ & Lisp.
- Designed and implemented modules for natural language analysis (morphology, syntax, semantics) in the dialogue systems.
- Built the syntax layer of the application, working together with linguists.

IBM HAIFA RESEARCH LAB, Haifa, Israel

Jun. 2000 – Oct. 2000

Internship at the Information Retrieval group.

- Worked on a project that allowed training of different granularity search engines.
- Programmed in Java

HEBREW UNIVERSITY OF JERUSALEM, Jerusalem Israel

1997 – 2001

Teaching Assistant

- Taught the Java course “Introduction to Computer and Science” for 3 semesters
- As a Sophomore, part time, I assisted students and staff at a computer lab with computer applications such as SAS, SPSS, JAVA., C++

ISRAEL DEFENSE FORCES, Israel

1992 –1995

- Gunner in the Israeli armed corps

SKILLS

- Understanding and experience with Machine Learning and Statistical Modeling techniques including models such as HMM, CRF, Sequential Perceptron, SVM & Bayesian Networks, Data Mining.
- Extensive experience in NLP related areas such as Information Extraction, Parsing, Dialog Systems, Speech Recognition and Information Retrieval.
- Broad background areas such as Computer Vision and Bioinformatics.
- Practical working experience in the industry and academia.

HONORS

Language Technology Institute Fellowship, Carnegie Mellon University

2002 - 2005

Hebrew University Scholarship For Excellence in Studies

1999 - 2001

Hebrew University Dean’s Honor List

1998