

Tarek Najjar

CONTACT

Japan - Kanagawa
Isehara, Ishida 817-11
kyatrosezon 302

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WORK EXPERIENCE

IES - Tokyo

Teaching

April - 2013 — March - 2015

Imaging Science and Engineering Laboratory

Research Assistant

April - 2012 — August - 2013

EDUCATION

Doctoral Degree in Robotics & Artificial Intelligence

Tokyo Institute of Technology. (Japan)

March - 2016

Master Degree in Robotics & Artificial Intelligence

University of Tsukuba. (Japan)

March - 2012

Bachelor Degree in Computer Systems Engineering

Mamoun University for Science and Technology. (Syria)

February - 2009

LANGUAGES

- Arabic
 - Native proficiency
- English
 - Bilingual proficiency
- German
 - Limited Working Proficiency
- Russian
 - Full professional proficiency
- Japanese
 - Elementary proficiency

PROFESSIONAL CERTIFICATION

- Sun Certified Java Programmer (SCJP)
 - Sun Microsystems, Inc.
- TOEFL iBT

Educational Testing Service (ETS) of the United States.

- German Language Proficiency Certification: Zertifikat Deutsch - ZD

Goethe-Institut.

SKILLS

- Programming Languages
- Compiler Design
- Algorithm Design and Analysis
- Software Engineering
- Database Systems
- Digital Circuit Design
- Computer System Architecture
- Microprocessor Systems
- Embedded Systems
- Operating Systems
- Real-time Systems
- Artificial Intelligence
- Machine Learning
- Robotics
- Research

REFERENCES

References available upon request.

Dean of
Napata College

I am writing to apply for the position of Assistant Professor at Napata College – Department of Computer Science. I have just completed a Ph.D at Tokyo Institute of Technology - Japan, with a specialization in Robotics & Artificial Intelligence.

My Research journey has started when I was selected by the Japanese Government in 2009 as a research and a graduate student at the University of Tsukuba - Japan. Starting from 2010, I was granted the (Monbukagakusho: MEXT) Scholarship which is considered among the highest rank, and one of the most prestigious Scholarship programs provided by Japanese Ministry of Education. My Master Degree was in Intelligent Interaction Technologies. The laboratory, at which I conducted my research, during master's studies, is involved in the development of the HAL Exoskeleton robotic-suit and is considered among Japan's most advanced laboratories. Later on, I started PhD studies at Tokyo Institute of Technology, department of Computational Intelligence and Systems Science. During my Ph.D. years I joined a research team, at Titech, in a Lab that is responsible of the design and development of SOINN network, the world's leading computational intelligence technology. My research focus was a combination of Autonomous Robots and Artificial Intelligence. My doctoral dissertation is in investigating non-conventional mechanisms of learning in order to develop intelligent robots that are capable of learning by interaction with the environment. In my research, I developed a robotic architecture for acquiring new skills and tasks by means of continuous exploration of the robot's environment. Also, I have developed a novel machine learning algorithm for data regression and robot-perception. I have published research papers in a number of international scientific conferences and journals.

My teaching experience spans over two years of teaching at IES-Tokyo, where I was able to establish an easy rapport with my students and engage their interest in the subjects being taught. My teaching evaluations showed that my students appreciated my enthusiasm and knowledge of the taught topics, as well as my ability to lead tutorial discussions in an inclusive manner. Besides, through my experience, I have learned effective ways of engaging my students and audience in the content being shared. I believe that the fact that I have presented to large audiences at seminars and classes in both English and

Japanese will be an additional asset when delivering the curriculum subjects to the students of Napata College. In my opinion the fact that I speak five languages (Arabic, English, German, Russian and Japanese) has given me excellent communication and organizational skills directly related to more articulated teaching and concept-explaining abilities. Through my teaching experience in Japan I have developed a confidence and an interest in teaching thus I look forward to the opportunity of both teaching assigned classes and developing my own courses as well.

I am keenly interested in joining Napata College. I am enclosing my Curriculum Vitae. I will gladly provide any other supporting materials upon request. Thank you very much for your consideration.

Sincerely,

Tarek Najjar

Tokyo - Japan

t.n.82@hotmail.com