AKRAM HELOU

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OBJECTIVE

I am pursuing a research opportunity in Artificial Intelligence. I have strong interests in Computer Science, Mathematics and their applications.

EDUCATION

University of Michigan, College of Engineering *09/2006 - 04/2010*
Pursuing B.S.E in Computer Science and Engineering. **GPA 3.75/4.00 Dept GPA: 3.9/4.0**

COURSEWORK

EECS 492: Intro to AI, **EECS 545**: Machine Learning, **Math 451**: Analysis I
Math 513: Advanced Linear Algebra, **EECS 595**: NLP, **Math 525**: Advance Probability

EXPERIENCE

University of Michigan, Artificial Intelligence Laboratory *05/2008 – present*
Undergraduate Research Assistant *Ann Arbor, MI*
Advisors: Professor John Laird(Summer) Professor Satinder Baveja (Fall)

- Modeling perspective taking in the Soar Cognitive Architecture.
- Assistance with integrating Episodic Memory with the Soar Cognitive Architecture.
- Investigating and designing algorithms towards intrinsic rewards in RL.

Pfizer Global Research and Development *05/2007 - 08/2007*
Intern, Scientist *Ann Arbor, MI*

- Designed and implemented Liquid Chromatography and Mass Spectrometry software to discover new biomarkers from gene expression values.
- Advised and planned the incorporation of new text mining technology.
- Tested the new Genedeta 4.0 software for gene statistical analysis.

University of Michigan *03/2007 - 04/ 2007*
Project Lead *Ann Arbor, MI*

- Evaluated the University of Michigan's bus arrival prediction model.
- Studied sources of error by processing and examining GPS data with Matlab.
- Led a team of four freshmen engineers throughout the project.

Student Space System Fabrication Laboratory, University of Michigan *09/2006 - 04/2007*
Assistant Project Lead *Ann Arbor, MI*

- Designed a mini-satellite which reached 1 km of altitude and measures various parameters (pressure, altitude, velocity) and lands upright after descent.
- Partially implemented flight control algorithms using C on Atmel chips.
- Ranked 4th in National Competition sponsored by NASA.

AWARDS

Computer Science and Engineering Distinguished Achievement Award 2008-2009
Groesbeck Clarence E. Memorial Scholarship *Summer 2007-08*
Eli Lilly distinguished scholarship 2008-2009
CSE Scholars scholarship 2008-2009
University of Michigan, College of Engineering, Dean's Honor List *2006-2007-2008*
Angell B Scholar Award *2008-2009*
Award for outstanding contribution to the Student Space Systems Fabrication Laboratory *Fall 2007*

SKILLS

Natural Languages: Fluent in English, French, and Arabic.
Computer Languages: C++, Matlab, C, and Soar.
Platforms: Windows, UNIX-based: GNU/Linux, Mac
Applications: Microsoft Office, Visual Studio, Genedata 4.0, GCC 4.1, QUOSA.

ACTIVITIES

President of **Michigan Student Artificial Intelligence laboratory** (MSAIL) 07/01/08-Present
CSE Scholars member, HKN electee 2009-present

Here are some points I can add:
Update my GPA
Include the Angell B Scholar award
Nominated for Henry Ford II prize
List grad courses I took with emphasis on projects completed in EECS 545.
Cut down on Freshman work.