

RÉSUMÉ

November 21, 2005

SIAVOSH BENABBAS

No. 10, Mahtab
Jashn, Niavaran
Tehran, Iran
Postal Code 1977733511

+98 (21) 22285313 (home)
+98 912 2040933 (mobile phone)
sbenabas@gmail.com
<http://ce.sharif.edu/~benabbas/>

Research Interests

Theoretical Computer Science, In particular:

- Computational Complexity
- Coding and Information Theory
- Approximation Algorithms
- Cryptography

Education

- 2002-now B.S. in Computer Engineering, Sharif University of Technology, Tehran, Iran.
degree expected: Spring 2006, Current GPA: 17.72/20
- 1998-2002 Diploma in Mathematics and Physics, Allameh Helli High School,
National Organization for the Development of Exceptional Talents, Tehran, Iran.

Relevant Courses Taken

Graduate Courses taken:

Date	Title	Code	Instructor	Grade
Spring 2005	Quantum Computation	24-317	Prof. Karimipour	20/20
Spring 2005	Parallel Computation	40-647	Prof. Ghodsi	19/20
Spring 2005	Computational Complexity Seminars	22-896	Dr. Daneshgar	19/20
Spring 2003	Combinatorial Optimization	40-517	Dr. Toyserkani	20/20

I have also taken the following personal study course:

Summer 2004	Topics in Algebra	22-010	Prof. Akbari	19/20
-------------	-------------------	--------	--------------	-------

Other undergraduate relevant coursework (GPA 18.16/20):

Theory of Machines, and Languages, Algorithms, Data Structures, Discrete Structures, Operating Systems, Computer Networks, Computer Architecture, Database Systems, Compilers, Programming Languages, and Artificial Intelligence.

Publication

- 2005 M. H. Bateni, S. Benabbas, and M. Ghodsi, Parallel Scheduling of DAG's with Structured Unreliable Workers, submitted to IEEE International Parallel and Distributed Processing Symposium 2006.

Research Experiences

- Undergraduate Research Assistantship, Sharif University of Technology, 2004-Present.
Advisor: Dr. M. Daneshgar, Department of Mathematical Sciences.
Worked on computational complexity of “defining set”-like problems.
Joint work with Dr. M. Daneshgar, M. Moharrami.
- Undergraduate Research Assistantship, Sharif University of Technology, Fall 2005-Present.
Advisors: Prof. M. Ghodsi, Department of Computer Engineering, Dr. M. T. Hajiaghayi.
Working on Approximation Algorithms. (just started)
Joint work with Dr. M. T. Hajiaghayi, M. Razaghpour.
- Undergraduate Research Assistantship, Sharif University of Technology, 2005.
Advisor: Prof. M. Ghodsi, Department of Computer Engineering.
Worked on scheduling, and parallel algorithms.
Joint work with Prof. M. Ghodsi, M. H. Bateni.

Awards and Honors

- | | |
|----------------|--|
| 2005 | 6th Place, 10th Iran National University Students' Olympiad on Computer Engineering, Iran. |
| 2005 | 3rd Place, National Graduate Entrance Examination in Computer Engineering: Software, Iran. |
| 2005 | 6th Place, National Graduate Entrance Examination in Computer Engineering: AI, Iran. |
| 2005 | 9th Place, National Graduate Entrance Examination in Computer Engineering: Hardware, Iran. |
| 2005,2004,2003 | Team 1th, 2nd, and 4th Place, ACM ICPC Regional Site, Tehran, Iran. |
| 2005,2004,2003 | Team 4th, 1st, and 2nd Place, Sharif University Internal ACM ICPC, Tehran, Iran. |
| 2002 | Bronze Medal, 14th International Olympiad in Informatics (IOI'2002), Young-In , South Korea. |
| 2001 | Gold Medal, 11th Iran National Olympiad in Informatics, Tehran, Iran. |
| 2000 | Bronze Medal, 10th Iran National Olympiad in Informatics, Tehran, Iran. |

Teaching Experience

- Teaching Assistant, Sharif University of Technology, 2003-2004
Courses: Operating Systems (Fall 2004), Algorithms (Spring 2004), Theory of Machines, and Languages (Fall 2003, Spring 2004), Data Structures (Fall 2003), Discrete Structures (Spring 2003).

Responsibilities included teaching problem solving sessions, designing, and grading problem sets and exam problems, and occasional lectures.

- Member of Scientific Committee of Iran's National Informatics Olympiad, 2002-now
Responsibilities included designing, and grading problems, organizing national competitions, and training selected students for International Olympiads on Informatics (IOI).

Extracurricular Activities

Elected Member of Student's Scientific Committee, Department of Computer Engineering, Sharif University of Technology, 2004-2005.

Responsibilities included organizing technical, and scientific classes, workshops, and lectures.

Skills

Programming: C/C++, Java, L^AT_EX, familiar with Intel x86 Assembly