# Rami Al-Rfou'

ralrfou@cs.stonybrook.edu    linkedin.com/in/ramieid
+631 371 3165

## Personal Info

- Date of Birth: September 12th, 1986
- Place of Birth: Tafila, Jordan
- Nationality: Jordanian
- Student Visa: F1

- Martial Status: Single

- 350 Circle Rd.
  Stony Brook, NY 11790

## Education

**Sep 10 - present** — **PhD in Computer Science**, *Stony Brook University*, Stony Brook, NY.
Gpa: 3.96/4.0. Courses: Operating Systems, System Security, Algorithms, Programming Languages, Computational Geometry, Discrete Math, Natural Language Processing.

**Feb 09** — **BSc. in Computer Engineering**, *University of Jordan*, Amman, Jordan.
Gpa: 3.79/4.0, ranked 4th of a 128-student class.

**Jun 04** — **Secondary Education Diploma**, *Tafila Secondary School*, Tafila, Jordan.
Percentage average: 97.4%, 99.9th percentile nationwide.

## Experiences

**Sep 11 - present** — **Research Assistant**, *Stony Brook University*, Stony Brook, NY.
Working in the Algorithms lab under the supervision of Prof. Steven Skiena developing new generation of the news sentimental analysis engine, Lydia.

**Jun - Aug 11** — **Software Engineering Intern**, *Google*, Mountain View, CA.

**Aug 10 - May 11** — **Teaching Assistant**, *Stony Brook University*, Stony Brook, NY.
Fall 2010: ● Computer Science I (CSE114) ● Computer Science III (CSE219)
Spring 2011: ● Analysis of Algorithms (CSE373)

**Feb 09 - July 10** — **Lab Instructor**, *Middle East Technical University*, TRNC.
My tasks involved:
- Designing new experiments for the Microprocessors lab (EE347).
- Teaching Circuit, Electronics, Telecommunication, Digital Design labs.
- Conducting recitations for PSpice, Proteus and Matlab.
- Writing new Manual for the Electricity and Magnetism Lab.

**Apr - Dec 08** — **Software Developer**, *Jovision*, Amman, Jordan.
Developed new image processing fault detection algorithms for the JoInspector software using C# and MATLAB, the software is used in tire factories QA departments. Established the IT infrastructure and the work environment and constructed a new website.

## Honors and Awards

**Aug 10** — **Stony Brook Computer Science Fellowship**.
**Jul 09** — **IEEE Student Branch Membership Growth Award for Region 8**.
**Apr 09** — **IEEE Darrel Chong Student Activity Bronze Award**.

**Oct 04** — **The Ministry of Higher Education Scholarship**
Received for my excellence in the Secondary Diploma exams. The scholarship covered my college study tuitions.

**May 02** — **The National Mathematics/Physics Olympiad**
Scored the first in both Mathematics and Physics National Olympiads in the southern region of Jordan and 7th nationwide.

## Achievements

| | |
|---|---|
| OCT 09 | Scored 830 out of 900 in the GRE® COMPUTER SCIENCE SUBJECT TEST (87$^{th}$ percentile). |
| FEB 09 | Received excellent mark for my graduation project, "TCP performance over IEEE 802.11 wireless links". During which I made a thorough review and simulation, using ns-2, to study the complexity and performance of proposed protocols in literature. |
| JUN 08 | Ranked second in the National Technology Parade under the Open Theme for designing and implementing a low cost portable digital oscilloscope. The project was invited for the Parade's exhibition. |

## Voluntary Work

| | |
|---|---|
| OCT 08 - SEP 09 | **Mentor**, *IEEE student branch*, University of Jordan, Amman, Jordan. |
| OCT 07 - SEP 08 | **Chairman**<br>• Organized the National Technology Parade.<br>• Raised fund to the branch and created connections with the local companies.<br>• Participated in the IEEE Region 8 Student Branch and GOLD Congress.<br>• Constructed a new website for the branch (`ju-ieee.com`).<br>• As a mentor I helped and adviced the next branch committee. |
| JAN - JUNE 08 | **Designer and Administrator**, *Theoretical Physics Lab*, Uni of Jordan.<br>• Participated in designing, building and administrating a beowulf linux cluster, in response to the lab's demand for faster computation. |
| OCT 06 - JAN 08 | **Team Leader**, *"We Are All Jordan" Youth Commission*, Jordan.<br>• Paricipated in the efforts that established and founded the youth commission.<br>• Represented the Jordanian youth as a part of the official delegation during the state visit of His Majesty King AbduAllah II to China, from Oct.27$^{th}$ - Nov.1$^{st}$ 2007.<br>• Participated in the first and the second Jordan Youth conferences. |

## Skills

| | | |
|---|---|---|
| Languages | • Arabic: Native | • English: Fluent |
| Programming | Proficient in programming in C/C++, Python, MATLAB and Assembly (x86, HC11, PIC16). | |
| Computer Skills | Experienced in building and maintaining networks infrastructure and managing Linux systems. | |

## Interests

• Contributing to Free Software.          • Blogging: `http://ramialrfou.com`