Omid Mashayekhi

Address: Gates 284, Stanford Univ.
Stanford, CA 94305

E-Mail: omidm at stanford dot edu
Cell Phone: +1 (650) 644–9523
Website: www.stanford.edu/~omidm

Education

Stanford University (expected graduation: June 2017) — Stanford, CA
Ph.D. in Electrical Engineering, Cloud Computing — Winter 2013 - Present
Ph.D. Minor in Computer Science, Systems Track — Winter 2013 - Present
M.Sc. in Electrical Engineering, Networking Systems — Fall 2011 - Spring 2013

Sharif University of Technology — Tehran, Iran
B.Sc. in Electrical Engineering, Communication Systems — Fall 2007 - Spring 2011

Experience

Internship at bebop Inc. — Los Altos, CA
Back-end engineer working on developing a low latency data store. — Summer 2015

RA at Stanford Information Networks Group (SING) — Stanford University
Nimbus: cloud computing framework for low latency data analytics and HPC applications.
(for more information visit: nimbus.stanford.edu)
Janus: centralized MAC protocol for full duplex radio.

Internship at Cisco Systems — San Jose, CA
Software engineer at Wireless Networking Business Unit (WNBU). — Summer 2012

Teaching Experience — Stanford University
Course Assistant in CS344C, Cloud Simulation Systems. — Spring 2013

RA at Advanced Communications Research Institute (ACRI) — Sharif University
Research in power estimation and coding techniques for CDMA systems — Spring 2009 - Summer 2011

Selected Projects

Packet Classification in Presence of Wildcard Expressions — Stanford University
Providing optimized and novel techniques as a project in packet switch architecture course. — Spring 2012

Designing OpenFlow Controller for DCell — Stanford University
Simulating DCell topology and routing for data centers using Mininet and OpenFlow controller. — Spring 2012

Patents

- **O. Mashayekhi**, and F. Marvasti, "Uniquely Decodable Codes and Decoder for Overloaded Synchronous CDMA Systems", U.S. patent application no. 13,082,084, April 7/2011.

Publications

- J. Y. Kim, **O. Mashayekhi**, H. Qu, M. Kazandjieva, and P. Levis, "Janus: A Novel MAC Protocol for Full Duplex Radio", Stanford CSTR 2013-02, 2013.
- **O. Mashayekhi**, and F. Marvasti, "Uniquely Decodable Codes with Fast Decoder for Overloaded Synchronous CDMA Systems". *IEEE Transactions on Communication*, vol. 60, no. 11, pp. 3145-3149, November 2012.

Honors and Awards

- Recipient of 2-year **Stanford Graduate Fellowship** (Cisco Systems Fellow) *2013-2015*
- **Ranked 15th**(/135) in the EE Qualifying Examination, Stanford University. *Winter 2013*
- **Ranked 2nd** in the EE Depart., Comm. branch, Sharif University of Technology. *Class 2007-2011*
- **Second Winner** of the "Bests Undergraduate Thesis Award", Sharif University of Technology. *2011*
- **Bronze** medalist of Iran National Mathematics Olympiad. *2006*
- **Ranked 46th** in university entrance exam among more than 300,000 students. *2007*

- Member of the "Iranian National Elite Foundation". *2007-2011*

Computer Skills

Programming Languages: C, C++, Java, Python, JavaScript, PHP, Ruby, Assembly, VHDL, CUPL.

Simulation Softwares: Mininet, MATLAB, MATHCAD, Simulink, ORCAD, PSpice, Quartus II, Protel, Proteus.

Extracurricular Activities

Social Ballroom Dancing, Swimming, Playing Tennis, Travelling, Going to Movies.