

CONTACT INFORMATION	Washington, D.C. 20007 USA	Voice: (xxx) xxx-xxxx E-mail: sbehnami@gmu.edu Website: http://mason.gmu.edu/~sbehnami
CITIZENSHIP	United States of America	
RESEARCH INTERESTS	Network Routing, Routing Optimization, Femtocell Networks (e.g. Routing, Handoff), MIMO (Multiple-Input Multiple-Output) Systems, Link Layer Data Identification, Coding Theory	
EDUCATION	<p>George Mason University, Fairfax, VA USA</p> <p><i>Ph.D. Candidate, Electrical & Computer Engineering</i> 08/2007 - Expt. 12/2012</p> <ul style="list-style-type: none"> • Research Assistant under Professor Bijan Jabbari • Area: Wireless/Wired Communications and Networking, Member of the Communications and Networking Laboratory (CNL) • Topics: Femtocell Networks (e.g. Routing, Handoff) (01/2011-present), Network Routing Optimization (08/2009-05/2011), Cognitive Radio (05/2011-present), MIMO Communications (08/2007-01/2011), mmWave in WPAN (01/2008-12/2008), Data identification over the network (01/2008-12/2008), localization (01/2009-08/2009), Signal Processing (08/2007-01/2011), <i>Cellular to WiFi Handoff of Mobile Telephony</i> (05/2008-12/2008) <p>State University of New York at Buffalo, Buffalo, NY USA</p> <p>M.S., Electrical Engineering Awarded: 05/2007</p> <ul style="list-style-type: none"> • GPA: 3.77 / 4 • Advisor: Professor Mehrdad Soumekh • Area of Study: Communications and Signal Processing <p>B.S., Electrical Engineering Awarded: 05/2006</p> <ul style="list-style-type: none"> • On the Honors List • Electrical specialization (emphasis on communications and signal processing) 	
PROFESSIONAL EXPERIENCE	<p>U.S. Patent & Trademark Office, Alexandria, VA</p> <p><i>Patent Examiner</i> 01/2009 - Present</p> <ul style="list-style-type: none"> • Patent Examiner in the field of Electrical Engineering with the specialization in Wired/Wireless Communications: Ethernet Switching, Network Routing & Optimization, all aspects of Layers 1, 2 & 3 within the OSI model, such as IP (IPv4, IPv6), MPLS, Congestion Resolution, among other techniques & protocols • New Technologies are observed everyday, they need to be understood quickly, analyzed properly, and reconstructed by comparing them with other similar technologies in a timely manner as to maintain a successful production, where personal quarterly & yearly ratings are at <i>*Outstanding*</i> • Quick learning and quick researching of complex topics are essential duties to the Patent examination procedure; examining the newest and most advanced technologies, within a minimal period of time these new technologies need to be learned and researched as to issue a valid Patent 	

- Patent Agent (once outside the USPTO): Licensed to represent Third Parties' Interests before the USPTO, including the writing of the Patent Applications, drafting claims for patentability, filing of Patent Applications, preparing replies for the USPTO, and representing an inventor (Third Party or myself) before the USPTO entirely

Keio University, Tokyo Japan

Visiting Student Researcher

05/2008 to 07/2008

- Research Advisor: Dr. Tomoaki Ohtsuki
- Worked extensively on MIMO systems in a Line-of-Sight environment.
- Designed and simulated an environment of 2x2 and 3x3 MIMO systems.
- Designed and executed the application of minimum Euclidean distance between simultaneous arrays using eigenvalue decomposition and Zero-forcing coding.

SoPark Corporation, Buffalo, NY USA

Engineering Intern

12/2005 to 06/2006

- Closed an existing gap between engineers and production line employees by interpretation of the work and explanation of electrical devices.
- Created new and updated old work flow procedures to emphasize speed of assembly and quality of the outgoing electric boards.
- Managed and supervised the entire work procedure from the cleaning of the empty board through soldering of transistors to packaging and shipping.

ACADEMIC
EXPERIENCE

George Mason University, Fairfax, VA USA

Instructor

08/2007 to 12/2008

- Taught weekly recitations in random processes and probability (ECE 528)
- Lectured weekly laboratory on Signal Analysis using MatLab (ECE 201)
- Wrote and provided laboratory exams in Signal Analysis using MatLab

Teaching Assistant

08/2007 to 12/2008

- TA for Signal Analysis (ECE 201), Signal and Systems II (ECE 320) and Probability for Engineers (Graduate course: ECE 528).
- Provided in-class support to engineering students (ECE 201, ECE 320, ECE 528).
- Graded weekly assignments on programming additional to exams (ECE 201).
- Graded weekly written assignments (ECE 320, ECE 528).

State University of New York at Buffalo, Buffalo, NY USA

Grader

01/2007 - 05/2007

- Master's Degree student and grader for Communication Systems II (EE 484)
- Grading of weekly assignments and all given exams

SERVICE

George Mason University Electrical and Computer Engineering Graduate Students Organization - ECE-GSO

President of ECE-GSO

- Weekly meetings are organized to discuss ongoing matters at the university
- Bi-weekly presentations were prepared
- Guest speakers were and are invited regularly
- Organization of intellectual and other related activities are fundamental duties

TECHNICAL
SKILLS

Extensive hardware and software experience in networking and information technology
MATLAB experience: linear algebra, Fourier transforms, nonlinear numerical methods, polynomials, statistics, visualization, video communications, MIMO comm., networking analysis.

MATLAB toolboxes: communications, control system, filter design, signal processing

Programming: MatLab, Maple, Basic C and C++, AutoCAD, ARM, PSPICE, UNIX shell scripting and others

Applications: \TeX , \LaTeX , \BibTeX , Microsoft Office, and other common productivity packages for Windows, OS X, and Linux platforms

Operating Systems: Microsoft Windows 7/Vista/XP/2000, Apple OS X, Linux, Solaris, and other UNIX variants

MATHEMATICAL
EXPERTISE

Linear and Nonlinear Systems Theory

Probability, Random Variables, and Stochastic Processes

Dynamic Optimization

Game Theory