

EDUCATION	University of Pennsylvania, Philadelphia, PA, US	January '11- July '15
	Ph.D., Electrical and Systems Engineering M.Sc., Electrical Engineering	
	Sharif University of Technology, Tehran, Iran	October '06- August '10
	B.Sc., Electrical Engineering (Telecommunications) best combined result in the history of Iran's national university entrance exams: June '06 <i>Azad Math-Physics: 1st/600k, Nat. Foreign Languages: 1st/250k, Nat. Math-Physics: 15th/400k</i> This led to awards from Iran's President, Minister of Higher Education, and Minister of Education	
CONSULTING & STARTUP EXPERIENCE	CHIEF TECHNOLOGY OFFICER (CTO) & PARTNER, SmartTrack , Philadelphia, PA, USA	March '15- Current
	<ul style="list-style-type: none">Created and developed inventory management solutions for large, low-income school districts.Won the Penn Public Policy Challenge '15, and placed second in the National Public Policy Challenge '15.Accepted into EDSi accelerator's '15 batch, & garnered support from national /local lawmakers and stakeholdersFeatured in <i>Governing</i> magazine and invited to present at NIGP national conference.Product is in alpha test, with School District of Philadelphia committed as beta test partner.	
	CO-CHAIR, Penn Graduate Case Competition (PGCC) , Philadelphia, PA, USA	November '14-April '15
	<ul style="list-style-type: none">Coordinated regional competition with 40+ competitors representing teams from five different schools.Selected the client and liaised with their representatives to find a critical addressable problem.Organized sponsorship and fund-raising efforts (e.g., bringing McKinsey, BCG, Deloitte, L.E.K., & Putnam Associates on board) and out-raised the consulting club's goals by 110%.MC'ed the event and coordinated judges and volunteers.	
	PARTNER, Res Novae Partners , Philadelphia, PA, USA	May '14- July '15
	<ul style="list-style-type: none">Advised the CEO of a Penn Medicine diabetes startup on commercialization strategy for SBIR Phase II and Orphan Drug Designation applications and VC fund-raising.	
	MARKET RESEARCH INTERN, STEP Consulting Engineers , Tehran, Iran	July '08 - September '08
	<ul style="list-style-type: none">Advised the CEO on 4 markets, including for pinch analysis (leading to their biggest contract in 5 years).	
RESEARCH & ACADEMIC EXPERIENCE	POST-DOCTORAL ASSOCIATE, Cornell University , Ithaca, NY, USA	July '15 - Current
	<ul style="list-style-type: none">I model the spread of opinions in groups and the use of electric vehicles in 2 cross-diciplinary research groups.	
	University of Pennsylvania, Philadelphia, PA, USA	January '11 - July '15
	<ul style="list-style-type: none"><i>Thesis:</i> "Optimal Control of Epidemics in the Presence of Heterogeneity" I determine how to optimally use limited resources to control epidemics, e.g., of viruses, that spread via contact.RESEARCH ASSISTANT (Published 2 [+1] journal and 4 conference papers) - TEACHING ASSISTANT (2 courses)MEMBER, Penn Biotech Group, Penn Graduate Consulting GroupCONVENER of ESE Grad Student Colloquium '14 and Lunch '13	
	RESEARCH INTERN, NEC Laboratories America , Cupertino, CA, USA	May '14 - Aug. '14
	<ul style="list-style-type: none">Proposed and patented optimal smart-grid management policies based on pricing grid-scale batteries	
SELECTED HONORS	<ul style="list-style-type: none">Runner Up (\$5k), <i>Fels National Public Policy Challenge</i> (Among 11 top MPA programs)Winner (\$5k), <i>Penn Public Policy Challenge</i>4th place, <i>Penn Grad Case Comp.</i> (Formulated exit strategies for PennMed diabetes startup)3rd place, <i>Penn Grad Case Comp.</i> (Developed entry strategy for transdermal-delivery Fluasterone)Research Fellowship for PhD studies, University of PennsylvaniaIranian National Elite Foundation Scholarship	
		March '15
		March '15
		March '14
		July '12
		Oct '10
SELECTED SKILLS		
	Excel, Powerpoint , Word, \LaTeX , Beamer, Prezi, C/C++ , MATLAB, R , HTML, GNU (Ubuntu), Windows.	
	LANGUAGES: Persian (Native), Arabic & French (Basic)	
	INTERESTS: Argentine tango, Table tennis, Classical music, Standup comedy	