## **Bahar Partov**

Consultant ● PhD

baharp@csail.mit.edu • https://baharxy.github.io

**Profile** 

I have a multidisciplinary background in engineering, computer science and mathematical modeling. I have hands on skills in building practical systems. The core of my recent, and future activities are set around community development and promoting diversity and inclusion.

Skills

Analytical: Mathematical modeling, optimization methods, statistical learning, data

analysis and wireless system design

Research: Track record of research work appeared in top tier IEEE/ACM journals

and conferences: Goole scholar (Link).

Community: Mentoring, public speaking, organizing events, writing articles

Languages: Persian: Native, English: Fluent, French: Intermediate in reading, writing

and listening, basic in speaking, Arabic/Turkish: basic understanding

**Development:** Python, C, C++, AWK, Perl, Bash, Databases, PhP

Tools: MATLAB, R, Ns2, LaTEX, Adobe tools

Hardware: Optoelectronic devices (test and evaluation), programmable radios

(USRPs and PicoZed radios).

## Work Experience

Wavelite, Funded by TandemLaunch Inc, Co-Founder, Montreal, Canada ...... 04/2017 - 05/2019

I specifically worked as the technical lead of the startup, Wavelite (now re-branded as HaiLa). Wavelite's technology is a hardware/software IoT solution that aims at enabling scalable and sustainable development of IoT sensors. Wavelite addresses the key challenge with limited life time of wireless sensors. I worked as the technical lead, contributed towards building functional prototypes, technology roadmap creation (included filing patents), recruiting, and steering the software and hardware development. The startup project received a number of awards and recognition during my time there e.g. CES climate change award and being featured in RFID journal.

Trinity College Dublin, Postdoc Fellow, Dublin, Ireland
Bell Labs, Nokia, <i>PhD fellow, Dublin, Ireland</i>
Oclaro Inc, Product Engineer, Paignton, U.K
Academics
Hamilton Institute / Bell Labs, Ph.D., Maynooth/Dublin, Ireland
University of Essex, M.Sc., Colchester, U.K
University of Tabriz, B.Sc. Tabriz, Iran
Grants and Funding
Joint recipient of 25K CAD grant in collaboration with Dalhousie University
Recipient of 60K CAD university-industrial partnership grants (by Mitacs) 06/2017, 10/2017 Provided internship opportunities for graduate students to collaborate on Wavelite's research and development in software, hardware, and RF design fields.
Joint recipient of 25K CAD grant in collaboration with Polytechnique Montreal 11/2017 Funded by NSERC. The scope of the project was to evaluate low power digital design techniques for Wavelite's hardware development.
Secured 600k CAD investment fund from TandemLaunch Inc. 07/2017
Recipient of Computing Research Association travel grant, MobiCom
Recipient of $N^2$ Women young researcher fellowship
Four year PhD studentship

## Honors and Awards

Winner of Smart City FIA Global startup competition in Montreal
Ranked 2nd among telecommunications master students
Telecom Technologies prize awarded by university of Essex
Ranked 1st among 2003 communications engineering students
Community
URELLES, Contributing Author
Persian Women In Tech, Montreal, <i>Team lead and co-founder</i>
AI for Social Good, summer school, <i>Lecturer and Mentor</i>
Toastmasters, Entrepreneurs' Club, Montreal, Volunteer
NetLab, Trinity College Dublin, Organizer
$N^2$ Women IEEE/ComSoc society, $Fellow$
IEEE conferences and Journals, <i>Volunteer Reviewer</i>

## Selected Talks and Teaching

Other Interests

I enjoy playing music, spending time outdoors and reading during my free time.