

BARIS UNVER



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EDUCATION

- 01/2015 – Present **University of Minnesota**, Minneapolis, MN.
2nd year Ph.D. Student.
Major: Computer Science.
Advisor: [Prof. Lana Yarosh](#)
- 09/2010 – 09/2012 **University of Hacettepe**, Ankara, Turkey.
Master of Science received.
Major: Information Technology, Minor: Law.
- 10/2005 – 07/2006 **University of Hacettepe**, Ankara, Turkey.
Graduate level education completed.
Major: Digital Communication and Electronics.
- 10/2004 – 07/2005 **Communications and Information Systems School of Turkish Army**, Ankara, Turkey.
Special education completed.
Major: Communication and Information Systems.
- 08/2000 – 08/2004 **Turkish Military Academy**, Ankara, Turkey.
Bachelor of Science received.
Major: System Engineering, Minor: Electrics and Electronics.

PUBLICATIONS

CSCW'18 Expected	Role of Device Asymmetry in Remote Collaboration
CHI EA'17 Published	Freedge: Fighting Food Insecurity with Connected Infrastructure
CHI EA'16 Published	ShareTable Application for HP Sprout

INTERNSHIPS

05/2017 – 08/2017 [Research Intern, neXus, Microsoft Research, Redmond, WA, USA](#)

05/2016 – 08/2016 [Research Intern, Immersive Experiences Lab, HP Labs, Palo Alto, CA](#)

PATENTS & TECH TRANSFER

8/2016 - Pending	Sharing Projector-Camera Workspaces
11/2016 - Pending	Sensing Mobile Communication Device Use While Driving
9/2016 - In Progress	Technology Transfer to HP Inc. ShareTable Application and Infrastructure

RESEARCH INTERESTS

Video Mediated Communication Systems	Investigating projector-camera systems for remote collaboration. <ul style="list-style-type: none">• Building novel systems for workspace and tabletop sharing.• Effects of interface asymmetry.• Multi-user collaboration. Understanding human motivation, technology limitation, benefits, risks, and concerns.
Mediated Social Touch	Investigating and building a novel communication system for transferring other feelings rather than only video and audio.
Telepresence	Exploring the effects of 3D & 360° video streaming.

RESEARCH AND TEACHING EXPERIENCES

Spring 2016 - Present	Research Assistant , University of Minnesota, Computer Science Department.
Fall 2015	Teaching Assistant , University of Minnesota, Computer Science Department. CSCI 5115 - User Interface Design, Implementation and Evaluation.
Summer 2015 - Present	Research Assistant , University of Minnesota, Psychology Department.

Spring 2015 - Present	Research Group Member , GroupLens , Social Computing Research Lab, University of Minnesota.
04/2012 – 05/2012	Instructor , Cellular Mobile Radio Communication Systems, Mobile Education Team, Pale, Bosnia and Herzegovina, EUFOR ALTHEA Operation.

VOLUNTEERSHIP

- | | |
|------------|----------------------------------|
| ACM SIGCHI | • Executive Committee Volunteers |
| CHI'16 | • Student Volunteer |
| | • CHI4Good |

WORK AND LEADERSHIP EXPERIENCES

- 07/2014 – 12/2014 **Communications and Information Systems Unit Commander**, Sirnak, Turkey.
 Commanded to an expert unit for providing and supporting special commando brigade's tactical communication and information system needs.
- 07/2010 – 07/2014 **Project Manager and Officer**, Turkish Gendarmerie General Command Headquarter, 2010-2014, Ankara, Turkey.
 Planned, built and participated in important projects for Turkish Gendarmerie.
- Distance Learning System, Moodle and Apache OpenMeetings.
 - IPTV, Adobe Media Server.
 - Mobile Video Streaming over 3G.
 - JEMUS – APCO 25, Integrated Communication and Information Systems for Turkish Gendarmerie (Digital wireless and wired communication, messaging and data querying applications, vehicle and personnel tracking systems, GIS applications with ArcGIS)
 - Officer and Non-Commissioned Officer Education Planning.
- 07/2006 – 07/2010 **Company and Team Commander**, Turkish Gendarmerie General Command Signal Corps Battalion, Izmir, Turkey.
 Led, commanded and educated over 3.000 soldiers, cadets, officers, and non-commissioned officers.

INTERESTS AND RELATED SKILLS

Coding and Developing: Full Stack Web and System Developer.

- C++, C#, Python, PHP, MySQL, HTML, CSS, JavaScript, jQuery, ActionScript, Delphi.
- WebRTC, Media Servers, Online Video Streaming, A/V Communication Systems.
- Linux and Apache Web Server Management.
- Mobile App Development.
- DIY – Raspberry Pi, Arduino.

Entrepreneurship, Start-ups.

- TrTube – Video Sharing Platform, 2006 – 2013 (more than 100K daily unique visitors).
- DiyetListesi – Online Diet Counseling Platform, 2012 – 2013.
- SinavZ – Online Examination System, 2010 – 2013.
- YouFeed – Live Video Streaming App for Android similar to Periscope, 2011 – 2012.
- MaxiSee – Video Chat App for Facebook, 2010 – 2011 (First video chat app on Facebook before Sean Parker’s Airtime and Facebook’s native application).
- MaksiSMS – Text Messaging System and Facebook App (2009 - 2010).
- MaksiMail – Video Mail System, 2008 – 2010.
- Izlec – Video Search Engine, 2007 – 2010 (more than 10M video meta-data and files).

Scuba Diving: Licensed 3 Stars CMAS Diver.

Languages: English, Turkish.

REFERENCES

- Prof. Lana Yarosh, Computer Science and Engineering Department, University of Minnesota.
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- Mirjana Spasojevic, Head of Immersive Experiences Lab (IXL), HP Labs, Palo Alto.
mirjana.spasojevic@hp.com
- Alexander Thayer, Senior Research Lab Manager (IXL), HP Labs, Palo Alto.
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- Prof. James N. Butcher, Psychology Department, University of Minnesota.
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