

Nur Yildirim

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Education

- 08/2018 – Carnegie Mellon University Pittsburgh, PA, USA
06/2024 Ph.D. in Human-Computer Interaction
(expected) School of Computer Science
Advisors: John Zimmerman and James McCann
Concentration: Computer Science
- 09/2011 – Middle East Technical University Ankara, Turkey
09/2014 M.Sc. in Industrial Design
School of Architecture
Graduated with Honors
- 09/2007 – Middle East Technical University Ankara, Turkey
06/2011 B.ID. in Industrial Design
School of Architecture
Graduated with Honors

Professional Experience

- 06/2011 – Designnobis Ankara, Turkey
07/2018 Industrial Designer
Managed projects ranging from consumer electronics to assistive robots, microfluidics, transportation, lighting and toys. Carried out research, ideation, concept development, CAD modeling, prototyping and product realization via local and global manufacturers. Shipped 25+ products along with several patents and design awards. Worked in close collaboration with interdisciplinary teams of clients across scales, including tech start-ups, SMEs, institutions and corporates.

Peer-Reviewed Conference Publications

- [C.2] Nur Yildirim, James McCann, John Zimmerman. 2020. Digital Fabrication Tools at Work: Probing Professionals' Current Needs and Desired Futures. In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)*. Honolulu, HI, USA.
- [C.1] Hakan Gürsu, Nur Yildirim. 2019. A Comparative Method for Teaching Perspective Projection to Beginners. In *Proceedings of the 21st International Conference on Engineering and Product Design Education*. Glasgow, UK.

Journal Publications and Book Chapters

- [J.2] Jodi Forlizzi, Qian Yang, Changhoon Oh, Nur Yildirim, John Zimmerman. Designing AI Products and Services: Benefits, Challenges, and Ideas for Improving Design Practice. To appear in *the Human-Centered Machine Learning book*.
- [J.1] Nur Yildirim. 2019. Marker Rendering Techniques. In *Creative Sketching in Product Design*. Ed. Shijian, L., Qiumei, L. SendPoints Publishing, Hong Kong.

Workshop, Symposia, Consortia, and Extended Abstracts

- [W.2] **Nur Yildirim**. 2020. Designing for Human-Centered Automation: A Co-Design Study with Fabrication Professionals. In *Joint Proceedings of CHI '20 Workshop on Automation Experience Across Domains*. Honolulu, HI, USA.
- [W.1] **Nur Yildirim**, James McCann, John Zimmerman. 2019. Redefining Collaboration for Designing Intelligent Systems that Improve Human Experience in the Workspace. In *Joint Proceedings of CHI '19 Workshop on The Future of Work*. Glasgow, UK.

Awards and Honors

- 2012 **International Design Awards**, Emerging Designer of the Year
- 2007-2011 **Undergraduate Scholarship Award** Community Volunteers Foundation

Teaching

- 2017-2018 **ID305 & ID306 Advanced Design Presentation**
School of Architecture, Middle East Technical University
Instructor: Prof. Hakan Gürsu
- 2015-2018 **ID111, ID112 & ID212 Design Communication**
School of Architecture, Middle East Technical University
Instructor: Prof. Hakan Gürsu

Invited Talks

- 2019 **Design Sketching Workshop**
College of Design, University of Minnesota
Host: Prof. Barry Kudrowitz
- 2017 **Success Stories: From Lab To The Market (Panelist)**
7th Annual International Conference on Managing Intellectual Property in Universities
Bosphorus University, Istanbul

Recognition

- 2019 **International Design Awards**, Infant Products, Call Vision Infant Charm, Gold
- 2019 **International Design Awards**, Children Safety Products, Call Vision Infant Charm, Silver
- 2018 **International Design Awards**, Robotics, Assist On-Arm, Gold
- 2018 **International Design Awards**, Life Science, Assist On-Arm, Bronze
- 2016 **German Design Award**, Packaging, SASA Water, Special Mention
- 2015 **Design et al Yacht and Aviation Awards**, Snow, Finalist
- 2015 **A' Design Award**, Home Appliances, Reverence, Silver
- 2015 **A' Design Award**, Electronic Devices, LeapVox Videophone, Bronze
- 2015 **A' Design Award**, Furniture Accessories, Zavinna, A' Design
- 2015 **German Design Award**, Lifestyle, Creative Wooden Creatures, Nominee
- 2015 **International Design Awards**, Home Electronics, LeapVox Videophone, Silver
- 2014 **A' Design Award**, Hardware and Power Tools, Mini ST Toolset, Silver
- 2014 **A' Design Award**, Packaging, SASA Water, Bronze
- 2014 **A' Design Award**, Packaging, SASA I-Cube, Bronze
- 2014 **German Design Award**, Transportation and Public Space, TAXI Station, Nominee
- 2014 **International Design Awards**, Architecture, TAXI Station, Honorable Mention
- 2014 **International Design Awards**, Urban Design, TAXI Station, Honorable Mention

- 2013 **IDEA**, Leisure and Recreation, Creative Wooden Creatures, Finalist
- 2013 **International Design Awards**, Toys, Creative Wooden Creatures, 3rd Prize
- 2013 **Green Dot Awards**, Products, Creative Wooden Creatures, Honorable Mention
- 2013 **A' Design Award**, Home Appliances, Stream Beam, Bronze
- 2012 **A' Design Award**, Toys and Games, Creative Wooden Creatures, Platinum
- 2012 **A' Design Award**, Yacht and Marine Vessels, Snow, Gold
- 2012 **International Design Awards**, Kitchen Appliances, Stream Beam, 1st Prize
- 2011 **International Design Awards**, Kitchen Appliances, planTree, 2nd Prize

Service

- 2019 **Reviewer**
ACM CHI 2020, Late-Breaking Work
- 2019 **Student Volunteer**
Symposium on Computational Fabrication 2019, Pittsburgh, PA, USA
- 2019 **Student Volunteer**
ACM CHI 2019, Glasgow, UK

References

John Zimmerman (Advisor)

Tang Family Professor of Artificial Intelligence and Human-Computer Interaction
Human-Computer Interaction Institute, Carnegie Mellon University
johnz@cs.cmu.edu

James McCann (Co-Advisor)

Assistant Professor
Robotics Institute, Carnegie Mellon University
jmccann@cs.cmu.edu

Jodi Forlizzi

Geschke Director and Professor
Human-Computer Interaction Institute, Carnegie Mellon University
forlizzi@cs.cmu.edu

Alex Kass

Principal Director & Labs Fellow
Accenture Technology Labs
alex.kass@accenture.com

Hakan Gürsu

Professor, Founder and Design Director at Designnobis
Department of Industrial Design, Middle East Technical University
gursu@metu.edu.tr

Last updated: September 22, 2020