ÖZGÜÇ BERTUĞ ÇAPUNAMAN

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EDUCATION:

Penn State University | State College, PA – USA — *Aug 2019 – Ongoing*
Ph.D. in Architecture – Design Computing
cGPA: 4.00 / 4.00
Advisor: Benay Gürsoy

Carnegie Mellon University | Pittsburgh, PA – USA — *Aug 2017 – May 2019*
Master's of Science in Computational Design
GPA: 3.82 / 4.00
Dissertation: CAM as A Tool for Creative Expression: Informing Digital Fabrication Through Human Interaction
Committee: Joshua Bard, Daniel Cardoso Llach, Mine Özkar

Istanbul Bilgi University | Istanbul – Turkey — *Sep 2012 –Jun 2016*
Bachelor of Science in Industrial Design
GPA: 3.90 / 4.00 – High Honors

Robert College of Istanbul | Istanbul – Turkey — *Sep 2007 –Jun 2012*
Mathematics – Science Diploma
GPA: 80.43 / 100.00

RECOGNITION:

Penn State University – University Graduate Fellowship Program — *2019*
Fellowship

Carnegie Mellon University – Graduate Small Project Help (GuSH) Fund — *2019*
Research Grant (Project: CAM as A Tool for Creative Expression: Informing Digital Fabrication Through Human Interaction)

Fulbright Foreign Student Program, 2017
Fellowship

EXPERIENCE:

Carnegie Mellon University | Pittsburgh, PA – USA — *Spring 2019*
Position: Teaching Assistant
Course: Fundamentals of Computational Design
Instructor: Daniel Cardoso Llach

Carnegie Mellon University | Pittsburgh, PA – USA — *Jan 2018 – Jan 2019*
Position: Research Assistant
Project: Tooled Deposition of High-Performance Building Components for Post Processing of 3D Printed Architectures
Advisors: Joshua Bard, Dana Cupkova

Carnegie Mellon University | Pittsburgh, PA – USA — *Fall 2017 – 2018*
Position: Teaching Assistant
Course: Generative Modeling
Instructor: Joshua Bard

CONFERENCE PRESENTATIONS:

CAAD Futures 2017, International Conference | Istanbul, Turkey — *July 12-14, 2017*
Computing Stitches and Crocheting Geometry
Co-Authors: Benay Gürsoy, Cemal Koray Bingöl

WORKSHOPS (TUTOR):

Stuckeman Robots – Stuckeman School of Architecture — *Fall 2019*
Penn State University | State College, PA, USA
Faculty: Elizabeth Andrzejewski, Benay Gürsoy, Marcus Shaffer

Robotic Mediations – AA Istanbul Visiting School — *July 8 – 19, 2019*
Istanbul Bilgi University + Architectural Association | Istanbul, Turkey
Faculty: Elif Erdine, Milad Showkatbakhsh, Şebnem Yalinay Çinici, Cemal Koray Bingöl, Gamze Gündüz, Alvaro Lopez Rodriguez

WORKSHOPS (PARTICIPANT):

Tectonic Symbiosis – AA Istanbul Visiting School — *Jun 13 – 22, 2016*
Istanbul Bilgi University + Architectural Association | Istanbul, Turkey

Cellular Revisions – AA Istanbul Visiting School — *Jun 15 – 24, 2015*
Istanbul Bilgi University + Architectural Association | Istanbul, Turkey

EXHIBITIONS:

ABC — *Nov 1 – Dec 14, 2014*
2nd Istanbul Design Biennial: Academy Program | Istanbul, Turkey
Team: Betül Şahin

Archizines World Tour Exhibition Design — *Nov 1 – 24, 2013*
It's Open | Istanbul, Turkey
Team: Benay Gürsoy, Özgür Atlagan, Can Küçük, Çagatay Özkardesler, Hüsna Budak

PUBLICATIONS:

Book Chapters

Çapunaman, Ö., Bingöl, C.K., Gürsoy, B. (2017). Computing Stitches and Crocheting Geometry, in Computer-Aided Architectural Design: *Future Trajectories* (*eds:* Çagdas G., Özkar M., Gül L., Gürer E.). Singapore: Springer, pp. 289-305.

Conference Proceedings

Guanyun Wang, Ye Tao, Ozguc Bertug Capunaman, Humphrey Yang, and Lining Yao. 2019. A-line: 4D Printing Morphing Linear Composite Structures. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19). Association for Computing Machinery, New York, NY, USA, Paper 426, 1–12. DOI: https://doi.org/10.1145/3290605.3300656

SPOKEN LANGUAGES:

Turkish (Native), English (Advanced)

SKILLS:

Software

Rhinoceros, Grasshopper, Adobe Creative Suite, Processing

Programming

Python (Advanced), RAPID (Advanced), C (Intermediate), KRL (Intermediate), Java (Novice), JavaScript (Novice)

Prototyping

ABB and KUKA Industrial Robot Programming and Operation, 3D Printing, Laser Cutting/Engraving