Beyza Şahin

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RELEVANT HIGHLIGHTS FOR THE TLTL STEM PROGRAM MANAGER ROLE

- **TLTL (May–June 2026):** Organizing and optimizing the Transformative Learning Technologies Lab; upcycling scrap materials into organization boxes; doing some TA'ing on the final projects.
- **M.A. thesis with Paulo Blikstein (2021):** Designed, built, deployed, and evaluated the Waterograph, a constructionist rotating-painting platform with embedded Arduino electronics, in a three-day painting workshop with six 7th-grade students in Istanbul; developed an original Visual Literacy Competencies grading scale via grounded-theory open coding.
- **Published international patent (WIPO 2024):** Sole inventor of the Rotational Painting System (WO2024172779A1), filed February 2023, including an integrated machine-learning pipeline that trains on a learner's painting library to model their design preferences.
- **Digital fabrication fluency:** Glowforge and Epilog laser cutters; Formlabs Form 2 and Bambu 3D printers; Arduino, GoGo Board; Rhino with Grasshopper; Blender; Adobe Creative Suite; Cricut and Cameo Silhouette; woodshop power tools; epoxy resin; brass and silver jewelry-making with welding.
- **Workshop coordination at institutional scale:** Co-hosted client workshops for Eczacıbaşı's entrepreneur support program (prioritization) and Turkish Airlines (gamification); designed and delivered recurring programs for Heltia, Bakioğlu Holding, SEM, and YenidenBiz.
- **Full K–8 direct experience:** Child psychotherapist for 1st–8th graders in grief; solo elementary English teacher across five classes daily for ages 3–8; 7th-grade English mentor at the therapeutic public day school in Boston's South End now known as the Melvin H. King South End Academy.

EDUCATION

Teachers College, Columbia University Sep 2019 – Apr 2021
M.A., Psychology in Education / Counseling & Clinical Psychology • GPA: 4.03

- M.A. Thesis: The Efficacy of a Novel Visual Art Education Technology in Improving Visual Literacy Competencies. Sponsor: Paulo Blikstein, Ph.D., Director, Transformative Learning Technologies Lab. Advisors: Michael Hatchett-Hanson, Ph.D.; Jonathan Ribner, Ph.D.; Randall Richardson-Vejlgaard, Ph.D.
- Coursework: Beyond Bits and Atoms (MSTU 5199 & 5197) with Paulo Blikstein; Personality and Behavior Change; Loss, Trauma and Emotion lab participation.
- Psi Chi member. Teachers College Scholarship recipient; International House NYC Scholarship.

Boston University 2016 – 2018
B.A. in Psychology with Honors, Magna cum laude • Minor in Western Art

- Honors Thesis: The Impact on Hand Tremor of a Broadened Drawing-Scape Painting System in People with Parkinson's Disease. Advisor: Alice Cronin-Golomb, Ph.D., Director, Vision and Cognition Laboratory. Awarded the Nelson Butters Award Runner-Up, 28th MNS Annual Science Symposium; presented at the APS 31st Annual Convention, Washington, D.C.

Istanbul Bilgi University 2013 – 2016
B.A. in Psychology (transferred to Boston University in 2016) • Merit scholarship: 50%

SELECTED WORK, WORKSHOPS, PROGRAMS, AND TEACHING

Heltia (Clinical Psychotherapist) & Self-Employed Schema Therapist: Mar 2023 – Present
Clinical practice, workshop facilitation, and community programming

- Active clinical psychotherapy practice with adults; clinical supervision from Clinical Gestalt Therapist Dr. Özge Orbay.
- Lead a monthly peer-supervision group and a monthly sharing group for Heltia's practitioner community.
- **Breaking the Glass Ceiling:** Designed and delivered a 10-session therapy series for YenidenBiz supporting women returning to the workforce after caregiving.

- **Dream-Setting Workshops:** Designed and delivered workshops for Bakioğlu Holding and SEM, commissioned by Heltia.
- **Red Flag Meetings:** Originated as a self-organized program at an Istanbul bookshop, then adopted and funded by Heltia as a recurring program.
- **Random People Meeting events:** An earlier self-organized initiative using the We Are Not Really Strangers card game to facilitate meaningful connection among young people.

Moai Apr 2025 – Jul 2025
Lead UX Researcher and Community Manager

- Combined research-driven product input with on-the-ground community management for the platform.

NEOL Jun 2022 – Jan 2023
Design Researcher • Talent-marketplace platform connecting creative leaders with vetted teams

- Supported the operational and community layer of a two-week intensive education program for 60 community managers: assisted live sessions, ran daily in-session surveys, conducted post-program UX interviews with every participant, and synthesized findings into a playbook used by future educators to design subsequent programs to NEOL standards.
- Conducted user research interviews with ex-Google, ex-IDEO, and C-suite creative leaders to understand team-formation needs on the demand side of the marketplace; translated insights into conclusions adopted by the product team.
- Collaborated with Luisa Covaria, Chris Direduryan, Aslı Sevinç Daver, and Atılım Şahin.

Apparkat Jan 2023 – Apr 2023
UX Researcher / Designer

- **Prioritization workshop** with Eczacıbaşı's entrepreneurship website.
- **Gamification workshop** with Turkish Airlines.
- **Wireframing** for Sailhero, a yacht-rental marketplace platform.

Elementary School English Teacher (Istanbul) Apr 2022 – Jun 2022
Ages 3–8 (preschool through 2nd grade)

- English teacher covering five rotating classes per day across the full preschool-through-2nd-grade range, providing developmentally calibrated instruction within a single six-hour workday.

Assessment and Evaluation Research Initiative (AERI), Teachers College Apr 2021 – Oct 2021
Editorial Assistant & Administrative Assistant • Director: Madhabi Chatterji, Ph.D.

- Editorial assistance on an Educational Assessment and Evaluation book.
- Administrative assistance for the Edmund Gordon Centennial Conference.

COVID-19 NIH Grant Project, Teachers College × Northeastern University Mar 2020 – Jun 2020
UX Designer & Researcher

- Wireframing and UX research for an intervention to reduce loneliness in the elderly population during the pandemic — an extension of wireframing skills first developed in Beyond Bits and Atoms at TLTL.

Department of Developmental Services, Commonwealth of Massachusetts Aug 2018 – Sep 2019
Individualized Support Worker / CBT Therapist

Volunteer Child Psychotherapist, Fevziye Meriç Çocuk Destek Eğitim Merkezi (2021–2022): 1st–8th-grade students navigating the loss of a parent.

Boston Partners in Education, 7th-Grade English Mentor (2018–2019): Tutored at the therapeutic public day school in Boston's South End now known as the Melvin H. King South End Academy, serving students whose primary disability is emotional impairment.

RESEARCH POSITIONS

Transformative Learning Technologies Lab, Teachers College Mar 2020 – May 2021

M.A. Thesis research under Paulo Blikstein, Ph.D.

- Designed and built the Waterograph educational technology kit during Beyond Bits and Atoms (Spring 2020); deployed and evaluated it as a thesis intervention with six 7th-grade students in Istanbul (Fall 2020 – Spring 2021); presented at the 4th Annual IPSP Psychology Conference at Teachers College (April 2021) and at Teachers College's (Un)Spoken 2020.

Loss, Trauma and Emotion Lab, Teachers College Sep 2019 – Aug 2020
Graduate Research Assistant • Director: George Bonanno, Ph.D.

- Certified Facial Action Coder (FACS), Paul Ekman Group LLC.

Vision and Cognition Laboratory, Boston University Spring 2017 – 2018
Honors Thesis Researcher • Advisor: Alice Cronin-Golomb, Ph.D.

- Series of case studies on the impact of the Broadened Drawing-Scape painting system (developed at MIT) on hand-tremor intensity in artists with Parkinson's disease.
- Co-author: Şahin Gün, B. and Cronin-Golomb, A. Poster presented at APS 31st Annual Convention (Washington, D.C., 2019) and the 28th MNS Annual Science Symposium (Bentley University, 2019).

The Ling Lab / Visual Neuroscience Lab, Boston University Jan 2017 – Jun 2017
Undergraduate Research Assistant • Advisor: Sam Ling, Ph.D. • Mentor: Louis Vinke

MIT Design Lab & Mobile Experience Lab (Comparative Media Studies) Sep 2014 – Jan 2016
Visiting Research Assistant • Advisor: Federico Casalegno, Ph.D.

- Two engagements: Mobile Experience Lab (2014–2015) and Design Lab on the Marriott International project (2015–2016).
- Participant: Make Me ++ Hackathon (2014); Design-Driven Innovation Conference (2014).

PUBLICATIONS & PRESENTATIONS

Şahin Gün, B. (2021). The Efficacy of a Novel Visual Art Education Technology in Improving Visual Literacy Competencies. Poster presented at the 4th Annual IPSP Psychology Conference, Teachers College, Columbia University.

Şahin Gün, B. & Cronin-Golomb, A. (2019). The Impact on Hand Tremor of a Broadened Drawing-Scape Painting System in People with Parkinson's Disease. Poster presented at the 31st APS Annual Convention, Washington, D.C., and at the 28th MNS Annual Science Symposium, Bentley University, MA.

04/03/2020 - 2023. Peer Reviewer for APS RISE Research Award.

(2020) Illustrated Nancy TOPF Dance Technique/Dynamic Anatomy Book, Author: Hetty King.

TECHNICAL SKILLS

- **Digital fabrication & prototyping:** Glowforge and Epilog laser cutters; Formlabs Form 2 and Dremel 3D printers; Cricut and Cameo Silhouette rotary cutters; woodshop power tools; epoxy resin; brass and silver jewelry-making (welding, cutting, stone-setting).
- **Microcontrollers & physical computing:** Arduino, GoGo Board.
- **3D / parametric design & CAD:** Rhinoceros 3D with Grasshopper, Fusion 360.
- **Design & UX:** Adobe XD, Figma, InDesign, Illustrator, Photoshop, After Effects.
- **Programming:** Processing, JavaScript, HTML5, Python, MATLAB.
- **Statistics & data:** SPSS, Excel.
- **CMS & web:** WordPress, Wix.
- **Languages:** English (full professional), Turkish (native).
- **Certification:** Facial Action Coding System (FACS), Paul Ekman Group LLC (Fall 2019).

HONORS, EXHIBITIONS & COMMUNITY

- **Honors:** Nelson Butters Award Runner-Up (28th MNS Annual Science Symposium, 2019); Teachers College Scholarship (2019); International House NYC Scholarship (2019); UROP Supplies Award for Honors in Psychology Program Thesis (2017–2018); Vans College Customization Studio Competition -1st place (2017);

Boston University Magna cum laude with Honors (2018); Istanbul Bilgi University Merit Scholarship 50% (2013–2016).

- **Exhibitions:** Istanbul Antique and Arts Fair (Dec 2025); Donation Event for a veterinary clinic in the Prince Islands (Jul 2025); İkhalMED Cover Art (Oct 2020); Macy Gallery, Columbia University (Jan 2020); SQUINCH Magazine (Nov 2017); BU Arts Initiative Gallery (Spring 2018, Summer 2017).
- **Service & community:** World Human Relief - Psychotherapy Volunteer (Feb 2023 - present); Peer Reviewer, APS RISE Research Award (Mar 2020 - present); Co-chair, Arts Insiders Committee, BU Arts Initiative (2016–2018); Adoption Ambassador / Foster Parent, Animal Rescue League of Boston and Köpke Turkey (2018 - present).

SELECTED PORTFOLIO LINKS

Portfolio: 2026 Portfolio, 2023 Portfolio, 2021 Portfolio • LinkedIn: Linkedin • Art Instagram: @bruepap