

SAM GOCHMAN

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EDUCATION

Dartmouth College

June 2018 | Hanover, NH
GPA: 3.96/4.00

BA in Biology, Anthropology,
& Human-Centered Design

Summa Cum Laude
Phi Beta Kappa

ΣΞ Research Honors Society
ΓΣΑ National Academic
Greek Honor Society

Harvard GSD

Design Discovery, Architecture
July 2017 | Cambridge, MA

SKILLS

Research

Need finding
Storyboarding
Persona studies
User research, testing
Experiment design
Statistical analysis
Observation
Interviews
Surveys
Publication
Grant acquisition

Digital

Adobe CC
Rhino
Grasshopper + plugins
JMP
Python
Revit
R
Figma
Solidworks

Physical

Models
Arduino
Laser cutting
Woodshop

EXPERIENCE

Research Fellow, EskewDumezRipple Architects

August 2018 – Present | New Orleans, LA

- Produced new framework (93 page book) for architects to implement acoustical strategies for a richer and healthier human experience of architecture in 6 projects.
- Created gallery installation investigating interaction of light with personal space.
- Managed pro bono project to design 22,000 SF open-plan high school, facilitating site analysis, 10 person team, 3 community (3 organizations) planning meetings, design charrettes, and presentation to client.
- Led design and construction of sound installation for City of New Orleans, engaging 60+ people in conversation about mitigating urban noise pollution.
- Expanded designers' toolkit by training them in acoustics simulation software.

Partner, DALI Lab: Tarsier Goggles

January 2018 – December 2018 | Dartmouth College, Hanover, NH

- Led ideation, design research, priorities, and outreach for 3 des./dev. teams.
- Demonstrated product at 6 venues for diverse groups across the nation.
- Taught 60+ students about optics and primate evolution with immersive product; 92% of user testers learned the advantages of tarsier vision over human vision.
- Published in *Evolution: Education & Outreach* (2019): "Tarsier Goggles: a virtual reality tool for experiencing the optics of a dark-adapted primate visual system."

Ecologist, Dartmouth Biology Foreign Studies

January 2017 – March 2017 | Costa Rica and Little Cayman

- Designed, conducted, and wrote 7 studies on local ecology at 11 research sites.
- Augmented skills in experiment design, field methods, quantitative analysis, presentation, and scientific writing. Worked closely with 13 students and 6 faculty.

Independent Researcher, Dartmouth College

January 2015 – Fall 2016 | Duke Lemur Center, Durham, NC

- Published new findings in *Royal Society Open Science* (2016): "Alcohol discrimination and preferences in two species of nectar-feeding primate."
- Synthesized data into insights that challenged existing ideas in anthropology.
- Experimental research presented at 3 (national and international) conferences.
- Covered by 17+ media outlets such as Popular Science and Smithsonian Mag.

Biophilic Design Intern, Terrapin Bright Green

March 2016 – June 2016 | New York, NY

- Researched and produced content about designing access to nature, specifically the applications of odors and associative learning in architecture.
- In an ethnographic user experience study, 81 of 100 interviewed city workers valued presence of nature over convenience for leisure spaces, supporting the team's goal of increasing access to urban nature.

Biomimicry Content Volunteer, AskNature

June 2015 – August 2015 | Remote

- Curated pages of biological adaptations for designers, working with remote team.
- Co-wrote a blog post published by National Geographic.