Stefan Uddenberg

5807 S. Woodlawn Ave.
Chicago, IL 60615
(323) 207-0314
stefan.uddenberg@chicagobooth.edu
www.stefanuddenberg.com

Education

2020–present **University of Chicago — Principal Researcher**, *Booth School of Business*.
- Implemented a **full-stack web application with Python** for generating, manipulating, and inferring perceived traits in faces with **deep learning**, featured in UChicago's new museum of behavioral science, **Mindworks**.
- Designed, developed and conducted dozens of large-scale online experiments on face perception and intuitive physics using **Python** and **JavaScript** for full-stack **web development**, **statistical analyses**, and **data visualization**.

2018–2020 **Princeton University — Postdoctoral Fellow**, *Princeton Neuroscience Institute*.
- Designed, developed and conducted over 50 large-scale online social science experiments of decision-making and face perception, using **Python** and **JavaScript**.
- Developed software that allows for easy generation and manipulation of hyper-realistic faces using deep learning (patent pending).

2013–2018 **Yale University — Ph.D. in Cognitive Psychology**, *New Haven, CT*.
- Conducted psychophysical experiments on human participants to characterize cognitive mechanisms of face perception, effective data visualization, and visual attention.
- Published multiple peer-reviewed scientific articles, such as:
  - **Uddenberg, S.**, & Scholl, B. J. (2018). TeleFace: Serial reproduction of faces reveals a Whiteward bias in race memory. *Journal of Experimental Psychology: General, 147*, 1466-1487.

2007–2011 **Dartmouth College — B.A. in Cognitive Science & Japanese Studies**, *Hanover, NH*.
Magna Cum Laude | Phi Beta Kappa

Work Experience

2018–Present **BodhiMetrics — Chief Technical Officer | Lead Developer**.
- Responsible for the technical direction of a cognitive science startup.
- Developed over 20 web-based behavioral experiments designed to test an array of cognitive abilities (e.g., attention, working memory) in order to predict athletic and job performance over and above currently available metrics.

Grants & Awards

2019-2021 **Innovation Fund for New Ideas in the Natural Sciences**,
Princeton University, Office of the Dean for Research ($199,422).
SocialGAN: Generating infinitely many hyper-realistic faces with a simple web application.

2019 **Massive Online Data Collection with Dallinger Workshop Travel Grant**, *Max Planck Institute*.

2019 **Dartmouth MIND Computational Summer School Fellowship**, *Dartmouth College*.

2015–2018 **NSF Graduate Research Fellowship**, *National Science Foundation*.

Leadership & Activities

2017–Present **Open Mind – YHack's Best Hack to Counter Fake News**, *New Haven, CT*.
- Created *Open Mind*, a Google Chrome web extension designed to counter **fake news** by providing users with news articles relevant to their interests – but from the other end of the political spectrum.
- Presented our extension and findings to the **US Congress** and **Facebook**'s directors of policy.

2014–2016 **Code Up – Founder of Educational Non-profit**, *Port of Spain, Trinidad & Tobago*.
- Founded a non-profit organization in my birth country of **Trinidad & Tobago** to reduce the gender gap in computer science participation in the Caribbean.
- Developed program that taught 20 high-school girls algorithmic thinking using **JavaScript**.

Skills

Advanced **Python | SQL** – Data science, data visualization, machine learning

Advanced **JavaScript** – Online experimental design, full-stack web development, data visualization

Intermediate **R | MATLAB** – Statistical analysis, data visualization