

FELIPE PARODI

Email: parodifelipe07@gmail.com

Portfolio: linktr.ee/felipe.parodi

EDUCATION

University of Pennsylvania

Ph.D., Neuroscience, Computational Neuroscience Initiative
M.A., Statistics and Data Science, The Wharton School at Penn
Notable Honor: 2021 Generation Google Scholarship

Expected 2025
Conferred 2024

University of Miami

B.S., Neuroscience, B.A., Economics
Notable Honor: Iron Arrow Honor Society

Conferred 2019

Deep Learning & Reinforcement Learning Summer School, The Vector Institute

2024

Cajal Advanced Training: Quantitative Approaches to Behaviour, Champalimaud Foundation

2022

SKILLS

Technical

Python, PyTorch, TensorFlow, Deep Learning, Computer Vision,
Statistical Modeling, Optimization, Multimodal Learning, Signal Processing

SAMPLE PROJECTS

- **PrimateFace.** Curated a 260,000-image, cross-genus primate face dataset with face bounding boxes and facial landmarks; trained cross-species detectors and landmarkers that match human-only baselines (e.g. 0.34 vs. 0.39 mAP on WIDERFace), establishing a standard for quantitative primate facial phenotyping across neuroscience, anthropology, and conservation. **Under review at Nature Methods.** [biorXiv version](#).
- **Neural signatures of natural behavior in freely-socializing primates.** Combined wireless neurotechnology with face, hand, and body pose estimation to characterize neural processes underlying social primate behavior. [Published in Nature](#).
- **LLM-assisted education tool for open-ended responses.** Built education tool for use in Neuromatch Academy and Penn Deep Learning for Data Science. [arXiv](#).

PROFESSIONAL EXPERIENCE

University of Pennsylvania

2020 - Present

Neuroscience Graduate Student Researcher co-supervised by Konrad P. Kording and Michael L. Platt

- Leverage wireless neural interfaces and deep learning to investigate the neural basis of primate social gestures and touch in freely socializing primates.

Google

2024

Data Science, Research Intern

- Co-developed a Python library for combining large language models (LLMs) and human annotators for efficient evaluation of generative AI music, which was adopted in production for high-throughput, scalable gen-music evals.

Colossal Biosciences

2024

Machine Learning for Conservation, Graduate Research Fellow Intern

- Developed an end-to-end deep learning pipeline for wild elephant detection, individual recognition, and social behavior characterization from aerial drone data, in usage by conservation stakeholders Save the Elephants.

First Choice Neurology Clinic

2019 - 2020

Psychometrician, Data Science for Health Team

- Developed a ridge regression model achieving 87% accuracy in predicting cognitive dysfunction in Anglosaxon and Hispanic adults, enhancing early diagnosis capabilities and informing treatment strategies.

University of Pennsylvania Wharton Neuroscience Initiative

2017 - 2018

Research Science Intern, Human Neuroeconomics Team

- Conducted regression analysis on smartphone usage and delay decisions & designed experiments to investigate explore-exploit trade-offs in decision-making under physiological stress.