

EDGAR A. DUÉÑEZ-GUZMÁN

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SUMMARY

AI leader and researcher with over 15 years of experience spanning academia and industry. Currently Chief AI Officer at Gibran, a pre-seed startup with a \$15M valuation. Formerly a Staff Research Scientist at Google DeepMind, co-leading research in multi-agent and cooperative AI. Proven track record of launching high-impact products (Google Assistant voice, Google Image Search indexing) and publishing in premier venues (NeurIPS, ICML, Nature Machine Intelligence, PNAS). Expert in building and leading research teams, and developing large-scale, open-source AI evaluation benchmarks.

EXPERIENCE

Chief AI Officer & Co-founder

Feb 2025 – Present

Gibran AI

London, UK

- Co-founded AI startup and secured pre-seed funding at a \$15M valuation.
- Leading the development of AI systems capable of compounding innovation.
- Serving on the Advisory Board for California-based startup Phygtl.

Staff Research Scientist

Jul 2024 – Jan 2025

Google DeepMind

London, UK

- Co-led of [Concordia](#), generative agent-based modeling framework and NeurIPS 2024 Challenge.

Staff Research Engineer

Nov 2021 – Jul 2024

Google DeepMind

London, UK

- Co-led Multi-Agent General Intelligence (MAGI) team: Pubs: 20+ ICML, PNAS, NatMachInt, etc.
- Served as Engineering Lead of the Multi-Agent team, defining technical strategy and infrastructure.
- Led research on combating discrimination and biases in AI systems. Pubs: 2 PNAS, 1 CogSci.
- Co-led [Melting Pot](#), a leading open-source benchmark for multi-agent RL, used in the NeurIPS 2023 Challenge with 600+ global participants.

Senior Research Engineer

Jul 2019 – Oct 2021

Google DeepMind

London, UK

- Created the RL Puppet, a scriptable expert agent for co-player evaluation.
- Led engineering of [Melting Pot](#)'s precursor: library used by dozens of internal researchers.
- Co-designed [Mathusian RL](#), an ecological and evolutionary system for population learning.

Senior Research Engineer

Mar 2017 – Jul 2019

DeepMind for Google

Mountain View, USA

- Launched WaveNet, the new AI-powered voice for the Google Assistant, impacting millions of users.
- Developed a large-scale wind energy prediction system, improving profitability by $\approx 20\%$.
- Developed novel reinforcement learning algorithms guaranteeing safety during learning.

Senior Software Engineer

Nov 2015 – Mar 2017

Google

Mountain View, USA

- Developed the first AI-driven indexing system for Google Image Search.
- Core member of a high-profile, confidential policy and legal engineering team.
- Revamped [official interview training materials](#), resulting in videos with 7M+ views.

Software Engineer

Google

Oct 2013 – Oct 2015

Mountain View, USA

- Developed tools to improve indexing efficiency for Google Search.
- Interview coaching of 100+ candidates. Highest success rate company-wide.

Postdoctoral Fellow

Harvard University & KU Leuven

Feb 2010 – Sep 2013

Cambridge, USA & Leuven, BE

- Published research on cooperation and punishment in human and animal societies.
- Published methods for automatic genetic programming of robot swarms.

EDUCATION

Ph.D. in Computer Science

The University of Tennessee

Aug 2005 – Dec 2009

Knoxville, USA

M.S. in Applied Mathematics and Computing

Mathematics Research Centre (CIMAT)

Jul 2004 – Jul 2005

Guanajuato, Mexico

B.S. in Mathematics

University of Guanajuato

Aug 1999 – Jun 2004

Guanajuato, Mexico

PUBLICATIONS & PRESENTATIONS

Summary: 50+ peer-reviewed articles with 2,700+ citations (h-index 23). Full list on [Google Scholar](#).

Selected Publications:

- *Perceptual interventions ameliorate statistical discrimination in learning agents*. PNAS, 2025.
- *Tabula rasa agents exhibit emergent in-group favoritism*. PNAS, 2025.
- *A social path to human-like artificial intelligence*. Nature Machine Intelligence, 2023.
- *Scalable evaluation of multi-agent reinforcement learning with melting pot*. ICML (Oral), 2021.
- *A Lyapunov-based approach to safe reinforcement learning*. NeurIPS (Best Paper Award), 2018.

Keynotes & Invited Talks:

- Keynote speaker, “Defending human autonomy in the age of AI enshittification”, The Alan Turing Institute & UKRI event.
- Visiting Lecturer for the Society for Industrial and Applied Mathematics (SIAM) at venues including Oxford University, Tufts University, and the Smithsonian Institution.

HONOURS & AWARDS

- Highlighted as a researcher of notice in the “Life At DeepMind” campaign (2020).
- Showcased researcher in a special issue of the *Notices of the American Mathematical Society* (2016).
- 10+ SPOT bonuses & 20+ Peer bonuses for contributions at Google/DeepMind (2014-2024).
- World Finalist (Honourable Mention), ACM International Collegiate Programming Contest (2003).
- World Finalist, 40th International Mathematical Olympiad (IMO) (1999).
- Silver Medal, XIII Iberoamerican Mathematics Olympiad (1998).

TECHNICAL SKILLS

- **Core Concepts:** Multi-Agent Systems, Reinforcement Learning, Cooperative AI, Generative AI, AI Ethics & Safety, Game Theory, Evolutionary Biology, Agent-Based Modeling.
- **Languages & Frameworks:** Python, C++; JAX, TensorFlow.