Hadi Khalaf

Education

Harvard University Cambridge, MA

Ph.D. in Computer Science, GPA: 4.0/4.0

2024 - Expected 2030

Advisor: Prof. Flavio du Pin Calmon

- Conducting research on provably robust, reliable, and transparent tools for LLM alignment
- · Coursework: information theory, high-dimensional learning, nonasymptotic statistics (MIT), nonlinear optimization (MIT)

American University of Beirut

Beirut, Lebanon

BS in Statistics, GPA: 4.18/4.0

2020 - 2024

BE in Electrical & Computer Engineering, GPA: 4.19/4.0

• Final Year Project: Developed the first GPT-powered tool to crowdsource and query geospatial data, now deployed over WhatsApp at the Beirut Urban Lab

Publications

AI Alignment at your Discretion (ACM Conference on Fairness, Accountability, and Transparency, 2025)

M. Buyl, H. Khalaf*, C.M. Verdun, L.M. Paes, C.C.V. Machado, F.P. Calmon

🏆 Best paper at the New England Natural Language Processing Workshop 2025 (1/91 papers)

Research Experience

American University of Beirut

Beirut, Lebanon

Undergraduate Research Assistant, Supervised by Prof. Ibrahim Abou-Faycal

02/2023 - 05/2024

- Formulated an implicit solution for the information bottleneck problem with non-Gaussian distributions
- Tested new notions of correlation measures for alpha-stable stochastic processes

Harvard University

Cambridge, MA

Undergraduate Research Assistant, Supervised by Prof. Elie Tamer

06/2023 - 09/2023

- Helped develop the first Bayesian partial identification algorithms for binary games
- · Created a software package to solve binary two-player games in partial identification setups

Work Experience

Electrical and Computer Engineering Department at AUB

Beirut, Lebanon

Head Teaching Assistant and Course Manager

09/2021 - 05/2024

- Designed supplemental notes and organized course logistics in Data Structures and Algorithms
- Held weekly sessions for 120 students in Electric Circuits and 20+ students in Programming using Python

Awards, Honors, and Scholarships

Harvard Graduate Prize Fellowship

2024-2030

Awarded to incoming students across Harvard Graduate School for Arts and Sciences

AUB Penrose Award in the Faculty of Engineering and Architecture

2024

Awarded to the most outstanding graduating student on the basis of scholarship, character, and leadership ($\sim 0.2\%$ acceptance)

Qatar Scholarship - Education Above All Program Scholarship

2022-2024

Awarded to top 10% of students in every faculty based on academic merit

AUB Presidential Scholarship

2020-2024

Full four-year scholarship awarded to top six incoming students to AUB ($\sim 0.4\%$ acceptance)

Research Science Institute Scholarship at MIT

2019

Hosted as a researcher in the Nuclear Science and Engineering department at MIT (~ 3.3% acceptance)

Skills

Programming Languages and Frameworks: Python, R, SQL, C++, TensorFlow, PyTorch, Keras, Scikit-learn

Tools: NumPy, Pandas, Git, PyCharm, VSCode, ArcGIS, AWS, Linux