

AMIRHOSSEIN KIANI

DATA SCIENTIST

PROJECTS

Data Scientist | [Google - BrainStation Hackathon](#)

JULY 20, 2023 - JULY 21, 2023

- Collaborated with a team of 3 data scientists, 2 software engineers, and 1 UX designer in a 24-hour hackathon initiated by Google.
- Performed research on public trust in AI, and how Large Language Models can be leveraged to promote it.
- Contributed to the design of a mockup app ("[Insights](#)") that helps to maintain users' trust in AI in AI-powered products.
- [Awarded the contest](#) among 9 teams.

[DeepChef](#) | [BrainStation](#)

MAY 2023 - PRESENT

- Scraped the data of over 520,000 recipes from [food.com](#)
- Performed ML algorithms to create a recipe recommender.
- Utilized OpenAI's embeddings API to enable semantic search.

Author and Blogger | Self-Published and Volunteer

JAN 2023 - PRESENT, CALGARY, AB, CANADA

- Authored [a book](#) on the mathematics of Data Science, Amazon KDP.
- Run two blogs on Data Science: [mathanddata](#), and [philanddata](#).
- Authored voluntary [blogs](#) on data citizenship for the [Centre for Social Impact Technology](#).

EXPERIENCE

Data Scientist | PhilPapers Foundation

UPCOMING, LONDON, ON, CANADA (VOLUNTEER)

- Selected to collaborate with a cross-functional team in fine-tuning Large Language Models on over 2,700,000 philosophical manuscripts on [philpapers.org](#) to enable text summarization.
- Planning on creating philosophy-specific Natural Language Inference (NLI) datasets for benchmarking.

Data Collector and Analyst | Scuola Normale Superiore

MAY 2016 - JULY 2016, PISA AND TEHRAN, ITALY AND IRAN

- Collected over 30 participants' phonetic- and meta-data.
- Utilized Excel to clean and visualize the collected data.
- [Co-presented](#) research results at Labphon 15, Satellite Conference.

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<https://github.com/amirkiam>

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SKILLS

Database: MySQL, PostgreSQL

Programming: Python, R, Bash,

Statistics: Hypothesis Testing, A/B tests, Regression

Data Visualization: Tableau, Matplotlib, Plotly, Seaborn

Neural Networks: Tensorflow, Keras, PyTorch

Cloud: [GCP Leader](#), AWS

NLP: NLTK, spaCy, Gensim, HuggingFace, Transformers

Web Scraping: Scrapy, Selenium

Big Data: Hadoop, Spark

PROFILE

Highly organized and detail-oriented with diverse qualitative, quantitative, and technical backgrounds, as well as advanced communication, project management, and analytical skills.

Experienced in engaging with problems of various types and magnitudes, and presenting the results in clear written, verbal, and graphical forms.

EDUCATION

BrainStation | Diploma, Data Science

MAY 2023 - AUG 2023, ONLINE

University of Calgary | PhD in Philosophy

AUG 2019 - JULY 2023, CALGARY, CANADA

- GPA: 4/4, won over \$50,000 in awards
- Published [papers](#) in prestigious journals

Tartu University | MA in Philosophy

AUG 2017 - JUN 2019, TARTU, ESTONIA

- GPA: 4/4 and over \$24,000 in awards

Amirkabir University of Technology | BSC in Mathematics

AUG 2011 - FEB 2017, TEHRAN, IRAN

My technical skill set includes proficiency in SQL, R and Python, particularly the data science libraries such as scikit-learn, TensorFlow, NLTK, SpaCy, Transformers, and other popular NLP libraries and frameworks. I am experienced in performing hypothesis testing, regression analysis, and data visualization using tools such as Tableau, Matplotlib, and Plotly.

As a dedicated and detail-oriented professional, I thrive in collaborative environments and have a proven track record of delivering high-quality results. My analytical thinking, problem-solving skills, and ability to communicate technical concepts to both technical and non-technical stakeholders make me an ideal fit for this role.

Lastly, I am eager and dedicated to continue learning, growing and sharing within a dynamic and innovative organization like ServiceNow.

Thank you for considering my application. I look forward to the possibility of discussing the position further.

Sincerely,
Amir