Call for postdoc applications in LLMs applied to Code
University of Campinas (Unicamp)

Would you like to contribute to building the future of large language models in a research project with a leading software engineering company in Latin America?

In this position, your challenge will be to develop algorithms capable of processing natural language and code to deliver state-of-the-art products in code generation adapted to specific products.

Researchers in this position will be strongly encouraged to publish their results in top scientific journals and international conferences and will have the university's full support to generate patents. This position will also provide the opportunity to interact with the mobile technology partners in the industry, supervise students in partnership with university professors, and contribute to advanced courses.

What are you going to do?

Researchers in this position are expected to:
- show independence to conduct innovative and high-impact scientific projects in the area of artificial intelligence, including using, designing, evaluating, and describing novel algorithms in large language models;
- evaluate the algorithms in experimental scenarios;
- manage project assignments;
- publish and present research results at high-impact international conferences, workshops, and journals;
- supervise students in partnership with the professors of the university;
- contribute to teaching activities, such as lectures and lab courses;
- Disseminate research results to a non-specialized audience through lectures and attendance at outreach activities aimed at the general public (e.g., events, trade fairs, etc.).

What do we require?

- A **scientific degree** in computer science, computer engineering, and related fields.
- A **Ph.D.** in artificial intelligence, machine learning, statistics, or a closely related field.
- A solid scientific and mathematical background in artificial intelligence.
- Familiarity and interest in models and data for Large Language Models are a plus.
- An excellent academic record and eagerness to tackle complex scientific problems.
- A record of publishing in relevant, high-quality conferences or journals in the fields above.
- Strong programming skills, e.g., in Python, Java, and C++.
- The ability to work well in teams and communicate fluently in written and spoken English.

Our offer

This is a 12-month contract, with the possibility of extension after positive evaluation. The scholarship will be 11,500.00 BRL (Brazilian Real) net per month, based on a full-time contract of 40 hours a week.

Start in March.

What you can expect from us

Among other indicators of excellence, the University of Campinas is one of the top 100 universities in emerging economies, the top Brazilian university in patents, and the best in the country in Computer Science, engineering, and Technology for consecutive years.

Our group values innovative ideas and pursues novel solutions. We will help you develop personalized soft skills and specialist training. We offer you **varied and challenging work** in an **enthusiastic team**. We celebrate diversity and are committed to creating an inclusive environment for our team.

How to apply

Please send your curriculum vitae and a cover letter with a maximum of two pages (English) in the following form: https://forms.gle/6qxsTp13wufBaHAV7. Applicants should also provide at least two reference letters to be sent directly by the referees to mraimundo@ic.unicamp.br before the deadline.

Applicants should also send contact details of at least two referees to provide reference letters.

Deadline: April 5th, 2024 (late submissions are allowed)