

Master Trainee in algorithm development for product optimization

“I want to contribute to a more sustainable world”

**Nestlé Research, Nestlé Institute of Food Sciences
Lausanne, Switzerland**

**Internship (6 Months)
activity rate 100 %**

Nestlé Research is based in Lausanne, Switzerland and employs approximately 800 people. It consists of four major research institutes: Health Sciences, Food Sciences, Food Safety & Analytical Sciences and Packaging Sciences. Nestlé Research combines fundamental science at the highest level, high-end analytical platforms leveraged by all research teams, and strong prototyping capabilities to accelerate the translation of science into innovation. Nestlé Research published around 1,000 scientific publications in peer review journals over the last five years, and files about 80 patents every year. Nestlé Research collaborates with approximately 100 universities or research institutes around the world. Learn more about Nestlé Research at www.nestle.com/randd

As a Trainee in the Department of Physics & Technology, your main activity will be developing and extending algorithms for recipe formulation using a variety of optimization strategies. You will be contributing to make recipes more sustainable, affordable, and nutritious.

Key responsibilities

- Develop and extend optimization algorithms for our optimization pipeline to improve current functionalities and potentially add new ones.
- Assess limitations of implemented and new algorithms.
- Implement dashboards to show the value of these algorithms.
- Present case studies to internal audiences.

Education and experience

- Applied mathematics, computer science or operations research background.
- Good understanding of mathematical optimization (linear and non-linear).
- Very good programming skills in python.
- Good English language skills required.

Show us that you have the creativity, passion and thoroughness to make an impact on digital innovation while contributing to our success towards Nestlé commitments in terms of sustainability and apply in English at juanpablo.vascocano@rd.nestle.com

The Nestlé Group is the world's largest food and beverage company with 91.4 billion Swiss Francs in sales in 2018. It is present in 190 countries around the world, has 413 factories and its 308,000 employees are committed to Nestlé's purpose of enhancing quality of life and contributing to a healthier future. Nestlé offers a wide portfolio of products and services for people and their pets throughout their lives. Its more than 2000 brands range from global icons like Nescafé or Nespresso to local favourites. Company performance is driven by its Nutrition, Health and Wellness strategy. Nestlé is based in the Swiss town of Vevey where it was founded more than 150 years ago. Learn more about our Group and reasons to join us on www.nestle.com.