

## **Student Trainee Digital Product Optimization**

**“I want a direction to follow and challenges to stretch me”**

**Nestlé Research, Nestlé Institute of Health Science  
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, Material 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](http://www.nestle.com/randd)

As a Trainee in our Technology department, your main activity will be running several case studies on recipe optimization, using a combination of new digital tools, bench/kitchen work and sensorial evaluation.

### **Key responsibilities**

- Obtain multiple types of data for food ingredients (e.g. cost, carbon footprint, physical properties) and perform research on how these ingredient properties may impact consumer perception (e.g. via labelling schemes and consumer apps) in different markets.
- Use data to perform mathematical optimization calculations with digital tools and test robustness of predictions.
- Perform prototyping with food and beverages based on optimization results. Organize and conduct tasting sessions and integrate outcomes into overall optimization approach.
- Present case studies to internal audiences.

### **Education and experience**

- Chemical engineering, Food engineering or Food science background.
- Good understanding of mathematical optimization and programming.
- Data gathering (online research) and data management.
- Working safely and accurately in kitchen environment (“creative food lab”).
- Exposure to programming in Python would be a plus.
- Good English language skills required.

Show us that you have the creativity, passion and thoroughness to make an impact on digital innovation in product development with us and apply in English at [jan.engmann@rdls.nestle.com](mailto:jan.engmann@rdls.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](http://www.nestle.com).