



WORK OFFER

Ref. No. CH-2019-000056

Employer Information

Employer: Zurich University of Applied Sciences - ZHAW, School of Engineering InIT
 Technikumstrasse 9
 8400 Winterthur
 Switzerland

Website: <https://www.zhaw.ch/de/engineering/institute-zentren/init/service-engineering/>

Location of placement: Winterthur
Nearest airport: ZRH - Zurich
Working hours per week: 42
Working hours per day: 8.4

Number of employees: 10000

Business or products: Education, Research & Development

Student Required

General Discipline: 11-COMPUTER AND INFORMATION SCIENCES
Field of Study: 11.0701-Computer Science.

Completed years of study: 2
Language required: English Good

Required Knowledge and Experiences:

Familiar with basic concepts of computer science and distributed systems. Good programming skills (e.g. Java or Python), knowledge of software development principles and tools. Ideally some experience with Open Source Software and using Linux systems. Practical experience with Cloud systems (IaaS, PaaS, FaaS) is a plus.

Other requirements:

Work Offered

The Service Engineering research group of the Institute for Applied Information Technology InIT is running the InIT Cloud Computing Lab - ICCLab (<https://blog.zhaw.ch/ICCLab>), a research lab working on cloud computing technologies and robotics applications, and the Service Prototyping Lab - SPLab (<https://blog.zhaw.ch/SPLab>), a research lab dedicated to advance the state of the art in service prototyping, cloud native application development and serverless computing.

Project work and research will be conducted in one of the following topics:

- Cloud Infrastructure: Virtual Machines, Containers, Storage and Networking based on OpenStack and Kubernetes
- Cloud Platforms: Cloud application enablement, Platform as a Service, Application Deployment & Management
- Cloud Robotics: Cloud-native enablement and development of Robotics Applications
- Cloud Native Application Development: Prototyping, engineering and composition of (micro-)service based applications
- Service Tooling: Tools to prototype distributed cloud services from the programming level, Serverless and FaaS
- Cloud Accounting and Billing: Collection of metrics, rating and cost and billing processing in cloud platforms and applications

The project will cover the entire software development lifecycle, from design to implementation, testing and evaluation.

The Student will be fully integrated in an international research group. Take the chance to conduct research with a strong applied focus.

Salary depends on your degree: Non-Bachelor CHF 2050.-/month, Bachelor CHF 2550.-/month An additional one month salary is payed pro rata in December and at the end of the internship.

Number of weeks offered:	40 - 52	Working environment:	Research and development
Within the months:	01-MAY-2019 - 31-AUG-2020	Gross pay:	2,050 CHF / Month
Or within:	-	Deduction to be expected:	approx. 10 % Social security AHV/IV
Holidays:	-	Payment method / frequency:	/

Accommodation

Canteen at work:	Yes		
Expected type of accommodation:	depends on availability	Estimated cost of lodging:	750 CHF / Month
Accommodation will be arranged by:	IAESTE LC Zurich	Estimated cost of living incl. lodging:	1,600 CHF / Month

Additional Information

Students with any NON-EU/EFTA nationality need to provide an official letter from their university, confirming that the traineeship is compulsory (IAESTE Switzerland will apply for visa and work permit)

Nomination Information

Deadline for nomination: 31-MAR-2019 **Please send nominations by** Exchange Platform

Date: 19-DEC-2018 **On behalf of receiving country:** Sabine Lenz