



Internship placement for University engineering student, In Sophia Antipolis, FRANCE

The European Telecommunications Standards Institute (ETSI) is a non-profit organisation that produces globally-applicable standards for Information and Communications Technologies (ICT). ETSI is officially recognised by the European Union as a European Standards Organisation.

The ETSI Centre for Testing and Interoperability (CTI) is a department in our Operations division (OPS) supporting the standardization of many different technologies such as Network Functions Virtualisation (NFV), Machine-to-Machine communication (M2M), Intelligent Transport Systems (ITS), Mobile Edge Computing (MEC) and Internet of Things (IoT). CTI activities focus on running Interoperability Events (Plugtests) and developer events (hackfests, hachathons, ...), hosting Open Source projects and communities, coordinating Proofs of Concept frameworks and demos, and managing the development of test specifications (e.g., for 3GPP LTE). We also assist the ETSI Technical Committees in the application of best practices in protocol specification, testing and validation.

Concretely, in the context of NFV, we are supporting the standardization of information and data models, OpenAPI definitions and test specifications in the NFV Industry Specification Group (ISG). In parallel we are supporting Open Source MANO (osm.etsi.org), a project developing a Management and Orchestration stack aligned with NFV ISG architectural framework and information models.

We offer the opportunity for a final-year intern to work in an international context with Open Source MANO system designers, software architects and code developers in ongoing projects and events. The main goals are to participate to the development of:

- OSM code extensions allowing for alignment with NFV Data Models and API specifications,
- Test tools allowing to validate such alignment

You profile:

- Good written and spoken English (French and other languages are a plus)
- Able to work autonomously and accurately in a diverse international environment
- Experience with software design and development languages and tools: Python, OpenAPIs, Yaml, Swagger ...
- Experience with test frameworks: Cucumber, Postman, Dredd, ...
- Experience with Linux and open source development platforms and tools: Git, Gerrit, Jenkins, Bugzilla, ..
- OpenStack knowledge would be a plus

The internship could be up to 6 months and could start as early as spring 2018.

Interns receive a legal allowance per month and have the possibility to purchase lunch vouchers: cost 68€ per month – value 170€ per month.

CV and a cover letter are to be sent to candidatures@etsi.org with subject: “Internship CTI _ your name”.