**Function**: Intern Software Engineer

**Location**: Irdeto HQ – Hoofddorp, The Netherlands

**Duration**: 6-12 months

**Job Description:**

Here at Irdeto we pride ourselves on our very diverse international working culture and continuous inclusion of interns from around the world to further their knowledge in the field through quality hands-on work experience in our teams.

For the internship **Intern Software Engineer** we are seeking progressive Computer Science and Information Technology-oriented students and graduates, with a passion for building innovative solutions for our customers. You as intern will be part of a highly dynamic development team and you will be responsible for test automation for our Multi-screen products.

**Primary responsibilities:**

* Review the current test automation environment to understand the components and system context. Become familiar with the Python scripting language, and how it is used for test scripting in the automation environment.
* Work with the senior Software Engineers in Test to identify a relevant set of existing manual test cases to be automated.
* Run selected test sets manually to become familiar with the domain knowledge before automation.
* Using the existing test automation framework, work with the support of the test automation team to develop the scripts for the identified test cases. The scripts should use the existing libraries of commands to provide stimulus to the control system, and existing detection and analysis libraries to detect and verify the expected set top box response.
* Where necessary and possible develop any required extensions to the command and response library functions.

**Additional responsibilities:**

* You as intern should provide regular progress reports as agreed with the Engineering Manager.
* As part of the scrum process, tasks are defined and updated for the identified set of test cases to be automated, and analyzed if any changes are required to the existing libraries to achieve this.
* Completed and verified automated test scripts, demonstrated to run correctly in the automation environment.
* Reports created showing test results from automation runs

**What can be learned:**

* How to apply a number of techniques to break unwanted dependencies in code.
* How to start making changes and adding tests simply and responsibly.
* How to troubleshoot, refactor and continuously improve the code quality.
* How to do pair-programming and code reviews.
* How to do continuous integration and test-driven development.
* How to develop software using agile development methodology (SCRUM).
* How to automate the test on web API and web services.

**Required Experience:**

* 2 to 3 years of university completed in Software Development or related studies.
* Some experience in one of the OO programming languages (Java, C++/C#).
* Some experience with Scripting language (python is a plus).
* Some experience with OO design to understand its advantages (UML is preferred).
* The ability to derive creative and innovative solutions by thinking “Outside the box".
* Some expertise in feature definition, design, and feasibility.
* Some experience in software testing would be preferred.
* Good technical and analytical skills.
* Pro-active, quality-minded with a positive attitude.
* Good communication skills.
* Excellent verbal and written English skills.