**Function**: Intern Test Automation 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 this particular internship you as **Intern Test Automation Engineer** will be responsible for developing & executing automated test scripts from a library of existing manual test cases, to increase the coverage of the automated regression set, and for documenting test results. You will also be responsible for supporting the software development team with analysis and debug of identified software faults.

**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.

**Project outputs:**

* 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.
Creation of reports 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 Skills:**

* 2 to 3 years of university completed in Software Development studies.
* Basic knowledge of different programming languages, for example, Python, C++, C#, Javascript.
* 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
* Overview of software development process.

If this internship sounds of interest to you and you are qualified to partake in this exciting work experience opportunity at Irdeto then please apply directly – we’d love to hear from you.