

### Document Information

<b>Team</b>	Various
<b>Position</b>	Industrial Year Internship
<b>Contact Person</b>	Steven Heighway (steven.heighway@simulity.com)
<b>Date</b>	2 <sup>nd</sup> of April 2015
<b>Version</b>	1.0
<b>Status</b>	Final

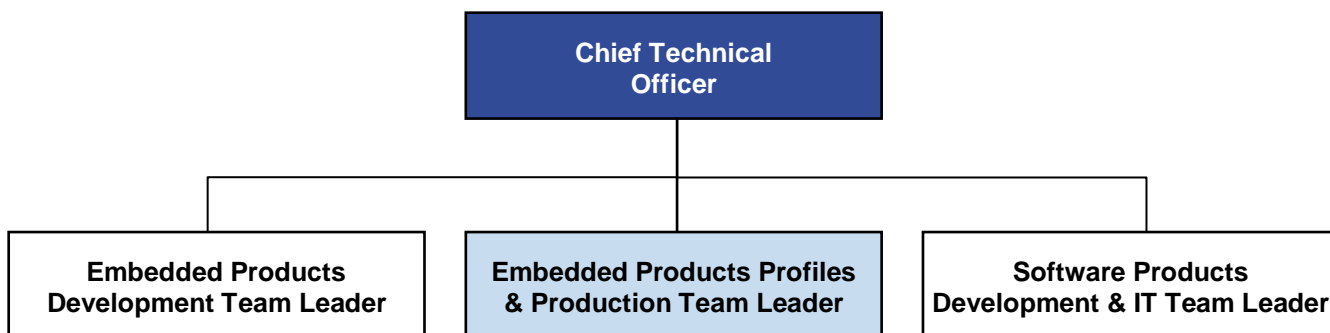
### Role

The role of the industrial year internship includes the following tasks.

- **Develop software products** used to produce and maintain millions of SIM/USIM cards.
- Handle **embedded systems testing**.
- Handle **software testing** within various programming languages including Java, JavaFX, HTML, CSS, and Groovy & Grails.
- Handle **1<sup>st</sup> level customer support** after building knowledge of Simulity’s products, tools, and services.

### Reporting

Our technical department is structured in three technical teams as described in the below chart.



The Industrial Year Intern reports to the **Software Products Development Team Leader** within the team they are assigned.

### Location

The Industrial Year Intern position is open in our Welsh office located at the following address: **Unit 8, Ash Court, Parc Menai, Bangor, Gwynedd, LL57 4DF, Wales, UK.**

### Responsibilities

The below table summarises the main responsibilities that the Industrial Year Intern will have to tackle.

Responsibility	Description
<b>Embedded Systems testing</b>	<ul style="list-style-type: none"> <li>▪ Be the last line of testing before SIM cards go live in the real world.</li> <li>▪ Ensure high quality deliveries of our products.</li> <li>▪ Produce detailed reports on the results of all tests.</li> </ul>
<b>Software testing</b>	<ul style="list-style-type: none"> <li>▪ Usability, JUnit, and FEST tests on software products.</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Report issues found to product owner via JIRA software.</li> <li>▪ Provide functionality report to the product owner.</li> <li>▪ Take charge of your own development and work schedule including creating, maintaining, and reviewing sprints documenting testing progress.</li> </ul>
<b>Develop software products</b>	<ul style="list-style-type: none"> <li>▪ Plan, create, maintain, and deliver tools and services which will be used for the production of millions of SIM cards worldwide.</li> <li>▪ Use test-driven development in order to create well written, clean, and maintainable code.</li> <li>▪ Produce documentation such as user manuals and change documents.</li> <li>▪ Develop tools and services in multiple coding languages.</li> <li>▪ Take charge of your own development and work schedule including creating, maintaining, and reviewing sprints.</li> </ul>
<b>1<sup>st</sup> level customer support</b>	<ul style="list-style-type: none"> <li>▪ First line of support for technical customer queries.</li> <li>▪ Interact with people from all over the world.</li> <li>▪ Opportunities to travel worldwide.</li> </ul>

## Requirements

The below table provides the list of requirements that the candidates for the Industrial Year Intern position have to meet.

Requirement	Description
<b>Education</b>	<ul style="list-style-type: none"> <li>▪ Currently studying for BSc. / MSc. in Computer Science, Software Engineering or Telecommunications</li> </ul>
<b>Skills</b>	<ul style="list-style-type: none"> <li>▪ <u>Mandatory requirements</u> <ul style="list-style-type: none"> <li>▫ Knowledge of software development in Java</li> <li>▫ Familiar with some Java IDEs (NetBeans, Eclipse or any other)</li> <li>▫ Understanding of version control systems (GitHub, Mercurial, SVN or any other)</li> <li>▫ Understanding of the various software development cycle steps (specification, development, test, release, maintenance)</li> </ul> </li> <li>▪ <u>Optional requirements</u> <ul style="list-style-type: none"> <li>▫ Familiar with scripting languages (Python, JavaScript or any other)</li> <li>▫ 3D printing and design</li> <li>▫ Notions in security and cryptography</li> <li>▫ Knowledge of servers and networks</li> <li>▫ Web development</li> <li>▫ Familiar with all major OS' – Windows, Linux, and OS X</li> </ul> </li> </ul>
<b>Experience</b>	<ul style="list-style-type: none"> <li>▪ N/A.</li> </ul>
<b>Abilities</b>	<ul style="list-style-type: none"> <li>▪ Tenacious with a problem-solving approach</li> <li>▪ Organised, rigorous and autonomous with an eye for details</li> <li>▪ Comfortable communicating with both colleagues and customers</li> </ul>

## More about Simulity

We are a young, dynamic, expanding company who are established at developing university students. We believe that students who put a lot of effort into their placement year will get a lot out of their placement year. Over the last three years we have developed a reputation for offering full time jobs to the students who excel whilst in their placement year here so there is a real career opportunity with us. After getting established within the company we allow flexible working hours, a relaxed dress code, and we afford a lot of responsibility to students.