

**University of Messina
MIFT Department
Bachelor Data Analysis**



UNIME Internship Project Proposal

<i>ID</i>	PTI_Fazio Maria _02/03/2023 17.52.58
<i>Date</i>	02/03/2023 17.52.58

Project Supervisor

<i>Surname</i>	Fazio
<i>Name</i>	Maria
<i>Department</i>	Dipartimento MIFT
<i>Laboratory</i>	FCRLab
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Project Co-Supervisor (not compulsory)

<i>Surname</i>	
<i>Name</i>	

<i>Job Position</i>	
<i>Department</i>	
<i>Laboratory</i>	
<i>Email</i>	
<i>Phone Number</i>	

Internship Project Details

<i>Title</i>	Micro- Virtual Machines
<p><i>Detailed Description:</i> Micro-Virtual Machines (MicroVMs) represent a new virtualization technology, widely used by Amazon Web Services (AWS) in its Fargate and Lambda services due to the characteristics of lightness, speed and security. Specifically, Firecracker is a virtual machine monitor (VMM) that uses Linux kernel-based virtual machine (KVM) to create and manage microVMs. The internship aims to study MicroVMs as an alternative to Containee and FaaS, with particular attention to the study of Firecracker.</p>	
<i>Duration (months – max 12)</i>	6
<i>Duration (hours)</i>	60
<i>Potential deadline</i>	
<i>Number of open position</i>	3

Internship Skills

<p><i>Required skills:</i> Basic knowledge of Linux and computer networks</p>

<i>Other skills</i>	
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