

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



**UNIME Internship Project Proposal**

<i>ID</i>	PTI_Ruggeri Armando_20/11/2023 12.05.54
<i>Date</i>	20/11/2023 12.05.54

**Project Supervisor**

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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>	Enhancing Microfrontend Security through the Implementation of JSON Web Tokens (JWT)	
<p><i>Detailed Description:</i> Students are requested to contribute to the improvement of microfrontend security by implementing an authentication and authorization system using JSON Web Tokens (JWT). This project aligns with the growing significance of microservices architectures and the need for secure communication between distributed frontend components. The primary activity will involve an in-depth literature review on microfrontend architectures, security challenges in distributed systems, and the role of JWT in enhancing authentication and authorization, designing how JWTs will be generated, validated, and integrated into microfrontend components ensuring compatibility with common frontend frameworks (e.g., React, Angular, Vue.js).</p>		
<i>Duration (months – max 12)</i>	6	
<i>Duration (hours)</i>	75	
<i>Potential deadline</i>		
<i>Number of open position</i>	5	

### Internship Skills

<p><i>Required skills:</i> Object Oriented Programming, Web Programming, Security</p>
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<i>Other skills</i>	