Ayman RAMDANE
Software Engineering Student

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Formation

2023	**Dual master's Degree in Programming** **Major in Video games programming** Principles of game design, 3D Interaction and virtual reality, Object-oriented programming, IT project management, Online games programming... [UQAC](#), Chicoutimi, Quebec, Canada
2023	**Senior Engineering Student** **Major in software programming** Virtualization, artificial intelligence, Mobile apps programming, … [EPF Engineering School](#), Cachan, France
2020	**Intensive two-year study course for French Engineering schools' entrance exams** **Major in Mathematics and Physics** [High School Henri Poincaré](#), Nancy, France
2018	**French high school diploma in Science (with honors)** **Major in Mathematics** [French High School Dominique Savio](#), Douala, Cameroun

Projets Scolaires

2023 — MOBA (Multiplayer Online Battle Arena) Game – Unreal Engine 5
- Gameplay programming
- Creating a simple online ready Ability System
- Programming PvP and PvE online fighting system
- Programming UE5 AI – Behavior tree & BlackBoard
- Agile project management
- Writing a One Pager

2023 — City Builder Game – Unity
- Gameplay programming
- Making an extensible construction system
- Programming units' controls and pathfinding
- Agile project management
- Writing a Game Design Document

2022 — Adding features to Simple Game Engine – C++
- Localization feature
- Adding Client-Server communication
- Adding sound events

2022	**Bike renting app in Paris – Kotlin**
	- REST API call
	- Creating local database
	- Geolocation features
2022	**Scan de codes QR avec la start-up Gaming Squad – TypeScript**
	- Working on an existing app
	- Programming in React Native
	- Agile project management

Expériences Professionnelles[1]

2023/09/05 – 2024/04/26	**AR/VR Programmer Internship – Bombardier Montreal**
	- Converting project from UE4 to UE5
	- Programming Unreal Engine plugin - Blueprint & C++
	- Programming VR training - UE5
2021/08/30 – 2022/01/14	**Operation Department Apps Programmer Internship – Wabtec, Faiveley Transport Tours**
	- Programming of a tooling request tracking app
	- Processing the evolution of clients' orders - Python
	- Automated presentation of data processing results data
2021/03/25 – 2021/04/29	**Volunteering Internship – Les Restos du Cœur**
	- Meal distributions
	- Writing report on engineers' social implication

Compétences

Programming	C#, C++
	Java, Kotlin,
	HTML, CSS, JavaScript
	Python
Software	Unity, Unreal 5
	Perforce, Git, GitHub, GitKraken
	Rhino 7
	Trello
	Microsoft Office
Framework	React
	React Native
Languages	French: Native
	English: Professional (C1), TOEIC 2022 – 960/990
	Spanish: Conversational (B2)
Soft skills	Autonomous
	Problem Solving
	Perseverance
	Communication
	Teamwork

Centres d'intérêts

Video Games	Open Worlds (Zelda BOTW, Zelda TOTK, Skyrim, …), Action-Adventure
Sport	Regular cardio and weightlifting
Cuisine	Learning new techniques and cooking frameworks.

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[1] *References available on request*