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GWENDAL PATON

Master's student in Autonomous, Interactive and Intelligent Systems

EDUCATION

Master's degree in Autonomous, Interactive and Intelligent systems
IMT Atlantique / ENIB / UBO
2022-2023

Engineering degree
ENIB
2018-2023

French Scientific Baccalaureate Specialization in Engineering Science and Computer Science with highest honor
Nicolas Appert High School
Orvault, France
2018

HOBBIES

Travel

Music (Piano)

Swimming

Video games creation on PC

Co-responsible for the ENIB Games Club (event organization, partnership management...)

Role-playing games: experience as a Game Master for 4 years, scriptwriting, creation of custom content and custom game mechanics

EXPERIENCE

SERCEL – R&D engineer intern
Nantes, France / Feb – Jul 2022

- Research and development of a software test application for a library of graphic components
- Improvement of the library
- Work groups about testing methods

GROUPE GRENAT – 2nd Year Internship
Brest, France / Jan – Feb 2020

- Trainee Developer
- Xamarin Forms cross-platform application
- Processing of incoming data and integration into an ERP database

Engineering science regional contest
Nantes, France / 2018

- Presentation to a jury of engineers of a robot designed as a team for the final year project in Engineering Sciences.

SKILLS

- Languages: C, C#, C++, Python, Java, SQL, HTML/CSS, JS
- Object-oriented programming, UML modeling
- UX design, evaluation of user experience, HMI and Ergonomics, cognitive psychology, modelling, interaction techniques
- Interaction with VR and AR environments, 3D modelling, interaction and navigation, Human factors (Immersion, Perception, Cybersickness, ...)
- 3D ludology, game design, interactive narration, engagement factors, procedural content generation
- Affective modelling: physiological and behavioral measures
- Interactive machine learning, AI, deep learning (Sklearn, TensorFlow, …)
- Multi-Agent systems and autonomous systems
- Node.js, Xamarin Forms, ASP.NET, SignalR, Qt
- Game development with Unity
- Arduino and Microcontrollers programming skills
- Electronics & Robotics
- Scientific Methodology

LANGUAGES

- French: mother tongue
- English: TOEIC 985 / 990 points – European C1 level
- German: common, European B1 level