

VIET NGUYEN

Internship L3 / Apprenticeship in App/Mobile & Web Development

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EDUCATION

Bachelor of Computer Science, University of Paris 8 since 2021
Intro d'IA, Prog d'Interfaces, POO, Concept & Prog Video Games, Dev web & base données
DU Français Langue Étrangère, CIREFE, Université Rennes 2 2020

ACADEMIC PROJECTS

Music Player (L3) on Android in Kotlin, 4 screens : 2023

- Homepage : list of songs
- Downloader: downloading files (mp3, wav, ogg...)
- Playlists: customization of playlists
- Music Player

Key Features :

play/pause, loop, volume, navigation, display of information and progress bar.

Chat Sécurisé (L2): Instant messaging in Python, UI via tkinter 2022

Architecture : client-server model, communication via TCP/IP sockets

Key Features :

- Message Transfer/Reception: Real-time message exchange between two interfaces, storing messages on the server.
- Security:
 - Message Encryption: via AES and RSA
 - Connection Encryption: via SSL/TLS protocol on client-server connection, enhancing security against eavesdropping and network attacks.

Open Source Development (L3): Contribution on Github 2023

- Optimization of a 32x32 pixel drawing web tool using Bresenham's algorithm.
- Addition of a function to recover Hex colors in a pixel drawing web tool.
- Syntax corrections in JavaScript libraries: joystick, raycasting, leaflet, etc.

SKILLS

Programming:

- Front-end: Html, CSS, JavaScript
- Back-end: C/C++, Python, JSON, SQL
- Mobile: Kotlin, Java
- Game Engine: Godot, Unity, Pygame, JS Canvas, ThreeJS
- Graphics/GUI: OpenGL, GLUT, GL4Du, SDL, OpenCV
- Autres: Git, Batch, PowerShell, Ocaml, MISP

Soft Skills:

- Project management Agile
- Adaptability
- Teamwork
- Continuous learning

Langues :

English, Vietnamese

CENTRES D'INTÉRÊT

Video games, Personal Development,

Sports: Hiking, jogging, chess