👤 PROFIL

IT engineer, specialised in Android application development. Communicating, with a good relational, I am attuned to emerging tends in IT to improve my knowledges and enhance my IT background.

⚙ EXPERIENCES

Development of native Android applications   Jully 2019 - October 2019
Eyelights SAS

- Development of the Android native <u>Android Eyedrive car</u> application
- 100% Kotlin project
- Overley widget
- Amazon Alexa
- Integration of the basics of an MVVM architecture with databinding
- Camera streaming via wifi
- Association of Bluetooth devices by contact with NFC chip
- Creation of boards for the IU redesign of the application
- RxAndroid
- Gson
- Firebase performance & Analytics

Development of native Android applications   November 2018 - Jully 2019
Webedia

- Apps & Games Team.
- Development of the Android native application <u>Pixwoo</u> for the E3 2019 event.
- 100 % Kotlin project
- MVVM architecture
- Moshi
- RxAndroid
- Retrofit
- Firebase Messaging
- Google Analytics (Firebase)

Android native application development for the MAIF company   April 2018 - November 2018
Sopra Steria Niort - In service at the customer

- Development of the Android native <u>MAIF</u> application (Java & Kotlin).
- Java & Kotlin
- Screens design support.
- RxAndroid
- Technology surveillance (Vocal assistant, Android JetPack, Android Wear, *etc.*)
- Presentation of the work during demonstrations

Webinar Android Kotlin   April 2018
Sopra Steria Niort

- Creation of video tutorials about Android application development in Kotlin language for the Sopra Steria intern training organisation (Sopra Steria Academy).

Hybride & native Android mobile application development for the Macif company   June 2017 - March 2018
Sopra Steria Niort - In service at the customer

- Development of the hybride <u>MACIF</u> application.
- Customer mobile application redesign.
- Native Android development (Kotlin).
- Android Technology surveillance and oral presentations of the surveillance subjects.
- Native Android Speech to Text and Text To Speech application (Kotlin).

Hybride mobile development   September 2016 - April 2017
Work-study internship Master 2 - Sopra Steria Niort

- Research of the idea of application to be created in regard of the subject : the collaborative economy.
- Creation of the prototype : shaping of the idea in a hybride mobile application.
- Prototype presentation in front of Sopra Steria coworkers.
- Prototype presentation in front of the client (MAIF).
- Demonstration mobile application conception for the Socram BANQUE's tender.

Setting up a Mobile Factory   May 2016 – August 2016
Internship Master 1 - Sopra Steria Niort

- State of the art about existing mobile development solutions.
- Testing of these solutions.
- Documentation redaction about mobile applications development organisation.
- Participation to the Sopra Steria intranet mobile application development.

Web / Database development   February 2016 - May 2016
Koxinel Prod

- Redesign of the database.
- Data migration.
- Design of the website to watch and manipulate data.
- Integration of the website on the client's server.

Web development   May 2015 – August 2015
Bachelor internship - CDOS de la Vienne

- Development of the software <u>BasiCompta</u>.

BioInformatic   March 2014 – June 2014
Technology degree internship - IBCP, Rhône-Alpes division of Bioengineering and computer science, Lyon(69)

- Integration in the databases of knowledge of the viruses of hepatitis B and C of tools Biocomputing of annotations and analyses of sequences.

BioInformatic   September 2013 – March 2014
Versailles INRA

- Building a pipeline for the automated classifcation of the genomes functionnal annotation data belonging to the cheese ecosystems.
- Works quoted in <u>PLOS one</u> paper, April 2015 (Acknowledgments section).

📋 PROJECTS

Speacker - Event sponsored by <u>AltiJ</u>. Preparation and presentation of work on web tracking. <u>Meetup event</u>.

Speacker - Inauguration of <u>Niort Numéric</u>'s new offices. In association with an <u>iOS expert</u> and a <u>datascientist</u>. Preparation and presentation of the work around the creation and re-training of machine learning models with Tensorflow and their implementation in native mobile applications Android (Kotlin) and iOS (Swift). <u>Meetup event</u>. <u>Rediffusion of the event</u>.

Speacker - Event sponsored by the CCI of Deux-Sèvres. In association with <u>an iOS expert</u>. Preparation and presentation of work on the Android 9 novelties from Google I/O 2018, and reconciliation of similar evolutions with iOS 12. <u>Meetup event</u> . <u>Quotation.</u>

Speacker - Preparation and presentation of works about machine learning models retraining and their integration in native Android applications (Kotlin). <u>Project</u>.

Arcade machine - Creation of an arcade machine, with a Raspberry Pi B. <u>Photo</u>.

JukeBox - Creation of a small JukeBox with a Raspberry Pi 2 and a touchscreen interface written in Python.

Domotic - Weld and sensors installation on a Rapsberry Pi 0, recording of the data in a local DB, creation of an REST interface in PHP, creation of the mobile application (Android Kotlin) to read the values. <u>Screenshot</u>.

Commemorative photo frame - Creation of a commemorative photo frame with Raspberry Pi 3, with the host of a Web page to put down the new photos to be shown on the frame.

Cloud server - Creation of a cloud server with Raspberry Pi B+ and an external hard disk with the software OwnCloud and the manager of DNS No-IP

📊 SKILLS

Android Studio	
Native Android Java	
Native Android Kotlin	
Speacker	

Maxime FERRIER

IT engineer - Android application developer

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FORMATION

Kotlin Developer Masterclass - Build Android & Kotlin Apps
<u>Certificate</u>
Udemy
September 2017

Master in Physiology, Biotechnology and Computer science
Option Life Imaging Platform - Mention Bien
University of Poitiers (France)
2016 - 2017

Bachelor Bioengineering and computer science
University of Poitiers
2014 - 2015

Technical College Diploma in Biology
Option Bioengineering and computer science
University of Clermont1, Aurillac
2011 - 2014

LANGUAGES

Franch (Mother tongue)

English (TOEIC : 780)

HOBBIES

Sport : Rugby (18 years in competition), Judo (5 years), Basket (1 year), Montain hiking

Associative : rugby trainer of 2 under 15 years teams (1 year), <u>FEBA</u> Treasurer 2012-2013, Meetup group member <u>Développement mobile Niort</u> (Mobile development Niort), Member of <u>Legal Hackers Toulouse</u>