

# Sangbé SIDIBE

## Electrical and Computer Science Engineer

Passionate about new technologies and Artificial Intelligent  
I have a thirst for knowledge. I am curious and I like to face  
new challenges. For me "Once you get to the top of the  
mountain, you have to keep climbing".



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## Looking for a 6 month internship from March 1st, 2021 in Machine Learning or Computer Vision



### WORK EXPERIENCES

- June 2020  
to  
August 2020:
- R&D Intern in Robotics, SYMME, Annecy-Le-Vieux in France**
- Participation in the robocup competition in the "medium size" football category.
- Modeling of the robot and its environment.
  - Programming commands in order to control the robot.
  - **Tools:** Linux, Python, Gazebo, Robot Operating System (ROS)
  - **Skills:** Research and Analysis, Creativity, Open-mindedness, Communication, Initiative.
- April 2019  
to  
Jan 2021:
- Part-Time Versatile Team Member, BURGER KING FRANCE in Annecy**
- Preparation of commands
  - Ensure the kitchen, counter and rooms tasks necessary for the catering of customers.
  - **Skills:** Rigor, Dynamism, Communication, Joie de Vivre, Versatility
- Since  
Sept 2018:
- Home Teacher, ACADOMIA and LAUREAT**
- Maths lessons, middle and high school
  - Computer Science lessons, from primary to higher education
  - **Skills:** Communication, Openness, Sense of Organization, Initiative, Know-How
- May 2018  
to  
July 2018:
- R&D Intern in Image Synthesis and Analysis, XLIM, Poitiers in France**
- Working on Medial Axis and the Bisector Function in order to generate discrete skeletons.
- Studying and implementation of distance map and medial axis algorithms.
  - Design a new algorithm to compute the Bisector Function.
  - **Tools:** Linux, C language, CodeBlocks
  - **Skills:** Research and Analysis, Creativity, Problem Solving, Communication, Initiative.
  - **Publication:** A Discrete Bisector Function Based on Annulus, in Discrete Geometry for Computer Imagery.  
[https://link.springer.com/chapter/10.1007/978-3-030-14085-4\\_37](https://link.springer.com/chapter/10.1007/978-3-030-14085-4_37)
- March 2015  
to  
June 2015:
- Software Developer Intern, MUGEF-CI, Abidjan in Ivory coast**
- Working on the automation of management of prepayment letters (Authorization, Updating and Termination)
- Modeling and implementation of the database
  - Design of the software followed by its production.
  - **Tools:** Oracle Developer Suite 10g, Oracle Database, MERISE, Java, UML
  - **Skills:** TeamWork, Creativity, Problem Solving, Communication, Initiative, Knowledge of Social Realities.



### EDUCATION

- 2018 to 2021:
- Engineering Master's Degree in Electrical and Computer Science,**  
Polytech Annecy-Chambéry, Annecy in France
- 2016 to 2018:
- Bachelor Degree in Computer Science,** University of Poitiers, Poitiers in France
- **Club:** member of Association des Etudiants en Informatique du Futuroscope (AEIF).
- 2016:
- High National Degree in Computer Application Developer,** Institut LKM,  
Abidjan in Ivory Coast
- **Clubs:** member of Software Club and Maths Club.



### SPECIAL SKILLS

- Programming Languages:** Most fluent: Python, C, Java, Matlab | Php, JavaScript, CSS, HTML
- Databases:** Most fluent: MySQL, Oracle | SQL, PL/SQL
- Deep & Machine Learning:** CNN, K-Means, PCA, GAN, Linear & Logistic Regression | Tensorflow, Keras, Scikit-Learn
- Computer Vision & Data Science:** Classification, Clustering, Segmentation, Object Tracking and Pattern Recognition
- Automation:** Signal Processing, Control Command & Observability, Instrumentation
- Applied Maths:** Graph, Probability, Statistics, Modeling Random Phenomena, Dynamic Model Control
- Languages:** French (Native Speaker), English (**C1**), Spanish & Japanese (Beginner)



### INTERESTS

- Sports:** Football, Futsal, VolleyBall, Running
- Reading:** African, French Chinese Literature
- Others:** Cooking, Travel, Music