Kenneth Assogba

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EDUCATION

- **Institut de Mathematiques et de Sciences Physiques (IMSP/UAC)** — Dangbo, Benin
  Master (2) Mathematiques Fondamentales et Applications — Oct. 2018 – Present

- **Institut de Mathematiques et de Sciences Physiques (IMSP/UAC)** — Dangbo, Benin
  Master (1) Mathematiques Fondamentales et Applications — Oct. 2017 – Jun. 2018

- **Ecole Superieure de Gestion d'Informatique et des Sciences (ESGIS)** — Cotonou, Benin
  Licence en Informatique. Option: Architecture Logicielle — Oct. 2016 – Dec. 2017

- **Institut de Mathematiques et de Sciences Physiques (IMSP/UAC)** — Dangbo, Benin
  Licence en Mathematiques — Oct. 2015 – Jun. 2017

- **Institut de Mathematiques et de Sciences Physiques (IMSP/UAC)** — Dangbo, Benin
  Classes Preparatoires MPSI (Mathematiques Physiques Sciences de l'Ingenieur) — Oct. 2013 – Jun. 2015

EXPERIENCE

- **Solutis (solutis-it.com)** — Cotonou, Benin
  Artisan Logiciel — Oct 2017 - Present
  - **SAC-TIC (sac-tic.tk) (Play Store)**: SAC-TIC allows Beninese populations to be informed in case of break or disturbances of the water distribution network, to receive tricks and advices. Participation in frontend and server (NodeJS + PostgreSQL), development of the landing page, development of the bug notification form.
  - **Solutis Website**: Design, developpement et deploiement du site web de l'entreprise.

- **EtriLabs (etrilabs.com)** — Cotonou, Benin
  Developpeur Junior — Apr 2017 - Sep 2017
  - **Mongo Manager**: Allows to easily backup any mongodb database to a storage of your choice (AWS S3, Digital Ocean,..). Worked on the backend app with NodeJs and Express. Open Source repository.
  - **Nymeria**: Development of a community marketplace for people to list, discover, and book unique accommodations online or from a mobile phone or tablet. Open Source repository.

- **Python Benin User Group [Communaute]** — Cotonou, Benin
  Co Organisateur (pythonbenin.com) — December 2018 - Present

- **Google Developer Group Porto-Novo [Communaute]** — Porto-Novo, Benin
  Speaker (meetup.com/GDG-Porto-Novo) — Jan 2018 - Present
  - **Codelab: NodeJS Basics**: Introduction a NodeJS. Presentation.
  - **Codelab: Tensorflow**: Solve Real Problems with TensorFlow: From 0 to production ready app. Presentation.

PROJETS

- **Analyse Numerique**: 1. Root finding algorithms: Jupyter Notebook contenant les principales mthodes numriques de rsolution d'quations non linaires $f(x) = 0$. Repository. 2. Numerical ordinary differential equations: Numerical resolution of ordinary differential equations. Repository.

- **Optimisation Numerique**: 1. Modeling in population dynamics: We study four models including those of Lotka-Volterra and Verhulst. In each case we will do a balance point study and a numerical resolution with Scilab. Repository. 2. Optimizing the profile of a road: A numerical optimization project to optimizing the profile of a road. Repository

- **Peekaboo (En developpement) (Play Store)**: Application de chat video en temps reel. En charge du developpement backend et responsable technique du projet, j'ai fait face a plusieurs challenges: configurer CI/CD pipeline pour automatiser les tests et deploiements, implementer la communication temps reel avec Web Socket et WebRTC. I was able to work on new technologies such as Docker, Kubernetes and try new architectures: Serverless, GCP Compute Engine, AWS S3 (Cloud Storage).

- **Credit Scoring Model (Draft)**: A OpenSI (opensi.co), we start a project that aims to uses alternative data alongside of traditional to assess creditworthiness. The final goal is to improve the accessibility of persons excluded from banking institutions to credit. Notes available at (github.com/kenn44/credit-scoring101)
- **InoTech (Ferme) (inotech.ga)**: Ino-tech is an ambitious media founded in 2017 to study and show how technology impact our lives.