

Kenneth Assogba

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EDUCATION

- **Institut de Mathematiques et de Sciences Physiques (IMSP/UAC)** Dangbo, Benin
Master (2) of Science in Fundamental Mathematics and Applications Oct. 2018 – Present
- **Institut de Mathematiques et de Sciences Physiques (IMSP/UAC)** Dangbo, Benin
Master (1) of Science in Fundamental Mathematics and Applications Oct. 2017 – Jun. 2018
- **Ecole Superieure de Gestion d'Informatique et des Sciences (ESGIS)** Cotonou, Benin
Bachelor of Computer Science Oct. 2016 – Dec. 2017
- **Institut de Mathematiques et de Sciences Physiques (IMSP/UAC)** Dangbo, Benin
Bachelor of Mathematics Oct. 2015 – Jun. 2017
- **Institut de Mathematiques et de Sciences Physiques (IMSP/UAC)** Dangbo, Benin
Preparatory Classes in Mathematics and Physics (two-year highly selective classes) Oct. 2013 – Jun. 2015

EXPERIENCE

- **Solutis (solutis-it.com)** Cotonou, Benin
Software Craftsman Oct 2017 - Present
 - **SAC-TIC Project (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-it.com**: Design, build and deploy the company's website.
- **EtriLabs (etrilabs.com)** Cotonou, Benin
Jr Software Engineer 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 [Community]** Cotonou, Benin
Co Organizer (pythonbenin.com) December 2018 - Present
- **Google Developer Group Porto-Novo [Community]** Porto-Novo, Benin
Event Organizer and Speaker (meetup.com/GDG-Porto-Novo) Jan 2018 - Present
 - **Codelab: NodeJS Basics**: Introduction to NodeJS. Presentation.
 - **Codelab: Tensorflow**: Solve Real Problems with TensorFlow: From 0 to production ready app. Presentation.

PROJECTS

- **Numerical analysis**: 1. Root finding algorithms: Jupyter Notebook containing main numerical methods of solving non-linear equations $f(x) = 0$. Repository. 2. Numerical ordinary differential equations: Numerical resolution of ordinary differential equations. Repository.
- **Numerical optimization**: 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 (In progress) (Play Store)**: A real time video chat dating app. In charge of the backend development and technical project lead, I faced several challenges: Setting up CI/CD pipeline to automate testing and deployment, implement realtime communication with WebSocket and 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)**: At 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 (Closed) (inotech.ga)**: Ino-tech is an ambitious media founded in 2017 to study and show how technology impact our lives.