

Juakali Box

Educate - Innovate - Serve

Juakali Box is a social enterprise with a vision to design hands-on learning experiences that create future visionary leaders in Cameroon who innovate and craft solutions of their own to the problems they face in their community. Our students will go on to change their communities or even the world. We call ourselves 'digital blacksmiths' in **developing**, **adopting** and **training** open sourced technologies.

Statement of Purpose: Craft innovative learning experiences in developing visionary leaders.

Objective: Develop purpose driven leaders that innovate.

Ethos: Does your vision improve, enhance and help humanity?

Role Overview:

JuaKali Box is seeking a **Design Fellow** to help create and implement our strategy for improving the education sector in Cameroon. This involves developing and piloting our first educational tech product, ensuring that it is consistent with local educational standards, providing support to early users of the product, and training teachers and students alike. We are a young start-up and you will be working directly with the Founder. This is a three month fellowship with the opportunity to convert to a full-time position.

Juakali Box E3dTech Kit

Juakali Box E3Tech Kit - The best learning experience: Juakali Box **E3Tech** kit is a 3D printed educational student kit use to create new classroom experiences such as having a 3D printed digital microscope to ease learning in biology by observing plant cells, molecular modeling kit to learn Chemical bonding in Chemistry and many others. We are using 3D printing technology to develop an educational kit that is use to enhance classroom experience through hands-on learning. The Juakali box E3dKit will comprise of 3D printed hands-on learning tools in Math, Biology, Chemistry, Physics and Technology aiming at student to experience new way of learning.

Goals:

- Develop a 3D printing student kit for students age 8 -16 that can be used by teachers and student to improve teaching - learning experience.
- Understand how the E3dTech Kit supports national curriculum of Cameroon
- Pilot and test the Juakali Box E3dTech Kit with 20-40 schools
- Develop a plan to monitor how the kits are used, including quantitative (how many children have access to the kit?) and qualitative (do teachers think it makes their jobs easier?) information
- Understand the training and support required for users of the E3dTech Kit to be successful
- Lead a cycle of continuous iteration and improvement on the design of the pilot kit

- Have a complete Juakali Box E3dTech Kit including documentation and training plans ready to be launched in 2018.

In addition to helping us get the Juakali Box E3dTech Kit to market we expect you to be involved in working with us to develop educational strategy more broadly, including working on projects such as:

- Design new components of the **Juakali Box E3Tech Kit**
- Redesign existing components of the **Juakali Box E3dTech Kit** to fit the local context in Cameroon.
- Design CAD design training - lesson and lesson plans to train trainers.
- Execute CAD training lesson.
- Train and mentor three CAD design enthusiast.

Pilot project Location: North West Region Cameroon - Central Africa

Who are we looking for a fellow with:

- Ability and experience to design and redesign new and existing products respectively. Fellow should be able to design with CAD, preferably Solidworks package or AutoDesk respectively and show proof of CAD design portfolio. Other design software packages can also be considered.
 - Experience in product documentation and packaging. Applicant must be able to use: Adobe illustrator CC or CS6 and other tools to documenting and packaging content.
 - Designer volunteer with an entrepreneurial spirit to develop and push educational and tech products for impact to market and transforming design challenges into opportunities: Applicant should be able to show proof of design portfolio of an entrepreneurial product or project involved in the recent past.
 - Research skills
 - Ability and knowledge in designing CAD design training curriculum and execute CAD design trainings.
 - Knowledge of 3D printing technology is a major plus. You are tech-savvy and pick up on new concepts fast. You have demonstrated your interest for technology and ideally technology for education.
 - Passion for learning and education. You believe that the future is made better through supporting young bright minds. You believe that everyone has a right to a quality education no matter where they were born.
 - You are outgoing and friendly, even after you have spent long, hot days taking long bus rides to see clients in remote villages.
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Logistics.

NB: This job posting is volunteer based and for a period of at-least 3 months.

During your voluntary work we will be able to;

- Provide bed and breakfast for our volunteer.
- Basic level of local transportation.

- Basic additional support after the 3-months of volunteering if the volunteer pledges to extend his/her stay for 9 more months.

We are very excited to hear from you. Kindly send us your cover letter, CV and portfolio to juakalibox@gmail.com and copy karlheinztondo@gmail.com.