

## Call for IT Experts

5.6M child deaths are caused by malnutrition each year. All of those lives could be saved. Hunger is the biggest solvable problem in the world. In the fight against malnutrition, detection is the most important step. But diagnosis is not easy. Measuring children is a complex, slow and expensive task, frequently resulting in poor data and wrong assessments.

### Our solution

The Child Growth Monitor uses augmented reality (AR) enabled smartphones to record scans (pointclouds and images) of children. Artificial Intelligence (AI) is used to predict their height, weight and middle upper-arm circumference (MUAC). Once the solution is fully functional this will enable anyone with a smartphone to diagnose the grade of malnutrition of a child in real-time. Our goal is to replace current manual methods of nutritional assessment by making the Child Growth Monitor cheaper, quicker and more accurate - giving healthcare workers and parents a tool to diagnose malnutrition ad-hoc, monitor a child's nutritional status and ensure their healthy development.

### Who we are looking for?

We are looking for IT Experts who want to support a social cause in a global non-profit environment. You will start working with our dedicated team of IT specialists immediately. We want to onboard the following leading roles for our core team:

- **Infrastructure and Cloud Expert** with Azure and Linux experience
- **Android App and Backend Developer** (Java, Python, ARCore, Cloud/Azure)
- **Data Scientists** with knowledge in computer vision and 3D point clouds

### Qualifications

- Degree in IT, engineering or comparable; or studies like statistics, operations research, mathematics, bioinformatics
- Experience in agile projects with at least 3 years of work experience
- Good english communication skills

### Terms:

We are a non-profit organization supporting Zero Hunger 2030; we rely on pro-bono work, but can contribute a per day compensation based on a service contract. Sent your interest note with day charge offer until 22<sup>nd</sup> April to [info@childgrowthmonitor.org](mailto:info@childgrowthmonitor.org). Please do not wait until this date, we are onboarding immediately.

### What we offer:

- Working on one of the most urgent problems of mankind: solving the world hunger by 2030
- Working in an international, vibrant team
- Learning from renowned and experienced AI experts and IT specialists

### Are you interested?

Then have a look at our Github account <https://github.com/Welthungerhilfe/ChildGrowthMonitor> and send your application (CV plus cover letter) to [info@childgrowthmonitor.org](mailto:info@childgrowthmonitor.org).

Website, Twitter page, Microsoft - video about Child Growth Monitor, BCG Digital Ventures - video about Child Growth Monitor