

# Aymard Irakoze

Phoenix, AZ

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## SUMMARY

Recently graduated in Biomedical Engineering with a minor in Computational Mathematics, at Arizona State University. I enjoy working in an interdisciplinary environment in which I can contribute in the design and development of medical devices products. I seek to apply and improve my technical skills and my critical thinking in the solution development of assigned projects.

## EDUCATION

Arizona State University, Tempe, Arizona  
Bachelor of Science in Biomedical Engineering  
Minor of Computational Mathematics

**GPA:3.25**  
**Graduated May 2020**

## SKILLS

- Programming Software: MATLAB, Python, Unix/Linux, Java
- Medical Device Documentation & technical Skills: MDR,GMP,QSR, Minitab, LPSPICE, Microsoft Excel
- Interpersonal Skills: Detail oriented, Teamwork, Good listener, Fast learner, Leadership

## PROFESSIONAL EXPERIENCE

### ***Covid19 Coordinator (temporally), CDC Foundation***

**Dec 2020- March 2021**

- Provide health education and promote preventive healthcare practices to prevent COVID19 spread in the tribal communities
- Work with Indian Health Services to ensure and enforce quarantine measures as well as supporting individuals with needed services during their quarantine time

### ***Manufacturing assembly technician, PDS Tech – Honeywell***

**June 2020-August 2020**

- Work in an assembly line by performing visual test inspection procedures to ensure that the N95 masks products are formed in accordance with the specifications using lean manufacturing techniques.

### ***Teaching Assistant, Signals and Systems for Bioengineers , ASU***

**Aug 2019- Dec 2019**

- Assist the teacher with the instructional materials by reviewing with students topics covered in class lecture

## PROJECTS

### ***Process Engineer, Capstone Project***

**Aug 2019-May 2020**

- Collaborate with a team of 5 in the design and development of our medical device prototype, following FDA regulations, GMP procedures, and ISO design controls.
- Work in tandem with our lead software engineer on a software which rely on Artificial Intelligence tools for scene environment identification
- Filled a provisional patent application to market our technology in order to identify a collaborator or licensee.

## RESEARCH & INTERNSHIP

### ***Quality Engineer Intern, MedTech Ventures Internship***

**Aug 2019-May 2020**

- Conduct product studies investigation to ensure compliance with FDA regulations
- Evaluate quality performance at the early stages of development of a biosensor aimed to detect cortisol level on patients suffering anxiety

### ***Research Experience for Undergraduates(REU), Oklahoma University***

**May 2019-Aug 2019**

- Help in data collection from an electroencephalogram (EEG) & a Functional near-infrared spectroscopy (FNIRS) and run a data analysis through EEGLAB in MATLAB.

### ***Quality Engineer, Project Cure Internship, Tempe, Arizona***

**Jan 2018-May 2018**

- Perform basic maintenance on medical products intended to be donated in third world countries