

ZAINAB AL ABDULALI

Eastern Province, Saudi Arabia

Cell: +966544129043

za.alabdulali@gmail.com

PROFESSIONAL SUMMARY

Recent graduate with a Bachelor's Degree in Biomedical Engineering and a minor in Mathematics. Seeking a career opportunity to apply my knowledge and skills into a development work environment. Passionate about technology.

EDUCATION/CERTIFICATION

Indiana University - Purdue University Indianapolis / Jan 2017 - May 2021

- **B.S., Biomedical Engineering, GPA: 3.00/4.00**
- **Minor in Mathematics**

Saudi Council of Engineers

- **Professional Accreditation**

SKILLS

- **Engineering:** Knowledge in Technology Design, Tissue Engineering, Research, 2D/3D Design
- **Software:** Microsoft Office, MATLAB, C++, CAD/CAM
- **Other:** Bilingual, Team work, Communication

RELATED COURSEWORK

- Biomeasurements
- Biofluid Mechanics
- Ordinary Differential Equations
- Transport Process in Biomedical Engineering
- Bio-signals & Systems
- Biomedical Computing
- Implantable Materials
- Cell & Tissue Mechanics

PROJECTS

Contactless Heart Rate Detector (Senior Design Project)

Indiana University - Purdue University Indianapolis / Aug 2020 - May 2021

- Designed a contactless device to detect a heart rate for all ages, races, and genders at a safe distance. A device that safely measures a heart rate over a distance to help prevent the spread of infectious diseases.
- Developed coding program using MATLAB programming software.
- Integrated a video recording of a human face into the code to analyze the heart rate.
- Used a fluorescent light to help find skin pixels of a human face.

LEADERSHIP/VOLUNTEER EXPERIENCE

VOLUNTEER FARMER

Eskenazi Sky Farm, Indianapolis, IN / Sep 2019 - Dec 2019

- Cleaned stalls, pens, and equipment using disinfectant solutions, brushes, shovels, water hoses, and/or pumps.
- Fed and watered livestock.
- Monitored food and water supplies.

Volunteer for Saudi Students Association (SSA)

Oregon State University, Corvallis, OR / Aug 2015 - Oct 2015

- Assisted in organizing general meetings.
- Assisted in planning events for the SSA.
- Made a friendly environment for new students by assisting them adding classes and being a friendly advisor.