



**James Libby**

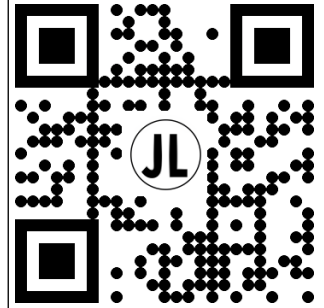
[BS Computer Engineering](#) – May 2022

[Harding University](#)

– ABET accredited private  
Christian University

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[My Website](#)

## CAREER OBJECTIVES

Personal Growth, Project Management, Technical Experience, Ethical Integrity

## ENGINEERING/COMPUTER EXPERIENCE

Harding University **Hybrid Rocket Research Team: Intern Electrical/Computer Engineer - NASA Student Intensive Training Program / Arkansas Space Grant Consortium (7 people)**

**Project:** Designing and testing a 3d printed ABS and paraffin wax fuel cell.

**Job:** Assisting in the programming and wiring of sensors used to collect thrust data.

Harding University **Engineering Senior Design I + II - Portable Dentistry Tool (4 people)**

**Project:** Portable Dentistry device with variable water jet, suction, and brushing functions in a single handpiece.

**Objective:** To design a control system incorporating a custom printed circuit board with a touch display, knob, buttons, microcontroller, water level sensor, AC motor control, and DC motor control.

Harding University **DormNet Assistant - Student Computer Help Desk.**

**Job:** Troubleshoot and fix all software based issues on student computers and other IOT devices that contact the DormNet Office. Promoted to Senior DormNet Assistant(Summer 2021) to train and lead other DormNet Assistants.

Harding University **Summer Engineering Department Help**

**Job:** Troubleshooting equipment failure in prototyping stations, oscilloscopes, function generators, and multimeters.

**Objective:** Ready the Engineering labs for fall semester.

Harding University **Intro Engineering Program - Elementary Playground Design (4 people)**

**Project:** McRae Elementary Playground Design

**Objective:** To design a geometric themed playground based specific stakeholder requirements

Harding University **Digital Logic Design - Digital Clock Circuit**

**Assignment/Objective:** Design a Digital clock from 7-segment displays and various micro-chips

## COMPUTER/TECHNICAL SKILLS

MacOS, Windows, Linux,  
Virtual Machines

Multi-meter, Wave Function Generator,  
Oscilloscope, Kicad, EasyEDA,

C++, Intel Assembler,  
HTML5, PHP, Visual Studios,

## RELEVANT COURSEWORK

OOP, Software Engineering, Digital Logic Design, Circuits I + II, Assembler, Data Structures, Electronics, Discrete Mathematics, Networking, Ethical Hacking, Microprocessors, Senior Design, Robotics

## WORK HISTORY

**DormNet Help Desk Assistant:** DormNet, Harding University, Fall 2018 - Spring 2021

**Senior DormNet Help Desk Assistant:** DormNet, Harding University, Summer 2021 – Summer 2022

**Programmer/Tech Support Internship:** Truth for the World, Bethel Springs, TN Summer 2019

**Programmer/Tech Support:** Truth for the World, Bethel Springs, TN Fall 2019 - Fall 2020

**Student Help, Engineering Department:** Harding University, Summer 2019

**Phone Switchboard Operator:** Harding University, Summer 2019

**Audio Booth Assistant:** Foothills church of Christ, Searcy AR Spring 2019 - Present

**Packing Associate:** Rockline Industries, Booneville AR Summer 2020

## PERSONAL GROWTH

**Minister:** Waldron church of Christ, Waldron AR, mid Spring - late Summer 2020

-Preacher and bible class teacher every Sunday.

**Missions:** Ghana, West Africa, Summer 2013, 2014, 2015, 2016, 2017, Winter 2018, Summer 2022

-Assisted in holding door to door bible studies, nightly lectures, and preaching