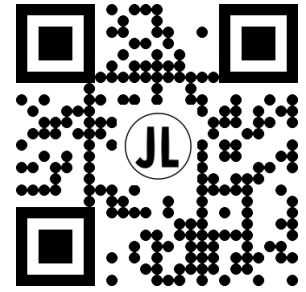[BS Computer Engineering](#) – May 2022

[Harding Univserity](#) – ABET accredited private Christian University

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JamesLibby.com

James Libby

[My Website](#)

CAREER OBJECTIVES

Personal Growth, Project Management, Technical Experience, Ethical Integrity

ENGINEERING/COMPUTER EXPERIENCE

NASA Student Intensive Training Program
Arkansas Space Grant Consortium (7 people)

Project: Hybrid Rocket Research through 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.

DormNet Assistant – Harding University
Student IS&T 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 Digital Logic Design

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

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 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

COMPUTER/TECHNICAL SKILLS

MacOS, Windows, Linux, Virtual Machines	Multi-meter, Wave Function Generator, Oscilloscope, Kicad, EasyEDA, MultiSim	C++, Intel Assembler, Python 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