

JACOB A. HURLEY

jacobh@jacobah.com | 919-729-1108 | JacobHurley05.com

EDUCATION

Bachelor in Electrical and Computer Engineering Technology

May 2028

Western Carolina University

Cullowhee, NC

- Program GPA: 2.999
-

RELEVANT COURSES

MATH 153 | MATH 255 | ECET 231 | ECET 242 | ENGR 123 | CPE 223 | CPE 233 | EE 221 |

ECET 250 | ECET 290 |

KEY SKILLS

Computer Programs: OnShape, 3DCAD, Fusion EAGLE

Languages: Java, C/C++

Skills: Circuit Design, Electrical Repair

Personal Projects

1998 Jeep TJ

May 2023 – Present

- Restored a project Jeep from frame-up, transforming it from a rusted red/black TJ into a fully rebuilt Green TJ.
- Performed mechanical and electrical work including sandblasting the frame, wiring for gauges/ lights, and building a custom fiberglass dashboard.
- Repaired engine damage by replacing a broken #4 piston skirt, honing cylinders, and installing new bearings and seals.

Custom PCB & Raspberry Pi Controller

April 2022 – April 2022

- Designed a custom PCB layout and coordinated fabrication through a third-party manufacturer.
 - Assembled and soldered the board, integrating 8 cherry MX Red mechanical switches.
 - Programmed a raspberry Pi to interface with the switches, enabling customizable input functions.
-

WORK HISTORY

Crew Member, Smithfield Chicken 'N Bar-B-Q, Siler City, NC

May 2025 – Present

Crew Member, Smithfield Chicken 'N Bar-B-Q, Siler City, NC

March 2023 – August 2024

Shop Assistant, Siler City Ace Hardware, Siler City, NC

June 2020 – March 2023