Noah Kiser

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Education:

North Carolina State University, Raleigh, NC   December 2020
B.S. in Computer Engineering and B.S. in Electrical Engineering
        Concentrations: Computer Architecture and Systems, Control Systems
Relevant Coursework: Digital Logic, Digital Controls, Analog Circuit Design, PCB
        Design, Introduction to Verilog, ASIC and FPGA Layout and Design
Goodnight Scholar, NCSU   2016-2020

Work Experience:

Technician and Sales Rep., Intrex Computers: Raleigh, NC   July 2018 – Aug 2019
- Diagnosing and repairing on a component level
- Training employees to repair motherboards
- Consulting with clients to determine and meet requirements
- Selling over $2500 of product weekly

Private Engineering Tutor: NCSU ECE Department   Aug 2018 – Present
- Tutoring students in EE/CPE courses through Junior year
- Engaging with students, driving academic and personal success
- Specializing in circuit design, digital logic and Verilog, C/C++ programming

Skills:

Programming: Verilog, VHDL, C, C++, Python, MATLAB, LabVIEW, JavaScript/CSS
Technical: Embedded Systems, PCB Design, EAGLE, Power Management, Networking

Personal Projects:

Portable Power Bank: Designed LiPo battery charge controller, Power distribution,
        Microprocessor charge state management, DC-DC switching voltage converters

Electric Bicycle: High-voltage battery management, PWM motor control, 3-phase DC-
        AC conversion, High-frequency interrupt-driven microprocessor

WiFi Controlled Power Outlet: ESP32 IoT module, AWS Server with Python-Lamda-
        S3 integration, Web-app control interface, Power supply redundancy

Automatic Pet Feeder: Custom PCB with RTC, Microprocessor, Redundant power
        management and timing circuitry, Layout for digital signal timing and integrity

LED Matrix Clock: RTC, Raspberry Pi, ATmega microcontroller, I^2C Accelerometer,
        UART at 200kbit, Hardware SPI at 10MHz, Automatic atomic time sync

Awards and Honors:

Eagle Scout, BSA Troop 95   January 2016
Best Presentation and Progress, Senior Design with Duke Energy   December 2019