Bennett R. James

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OBJECTIVE: Find a internship/co-op for Summer 2020 which allows me to apply my skill set and learn new skills.

PERSONAL INFORMATION:

1910 Entrepreneur Drive, Box 1561, Wolf Ridge Apartments

Raleigh, NC, 27606

EDUCATION:

- North Carolina State University, Raleigh, North Carolina
    - GPA: 3.596
    - Bachelor of Science, Computer Engineering - May 2020
    - Master of Science, Computer Engineering - May 2021
    - Relevant courses: Intro to Computer Systems, Intro to Signal Circuit Systems, Electric Circuits, Logic Design, Complex Digital Systems, Control Systems, Microelectronics, Intro to Embedded Systems, Embedded Systems Architecture, and ASIC/FPGA Design.
    - Dean's List, 5 times
- Central Academy of Technology and Arts, Monroe, North Carolina
    - Received: High School Diploma, 2016   Weighted GPA: 4.63
    - Courses Relevant to Engineering: Introduction to Engineering Design, Electronics, Drafting 1, Computer Integrated Manufacturing, Principles of Engineering, Digital Electronics, and Engineering Design and Development

WORK EXPERIENCE:

- **Rovisys Building Technologies (RBT), Systems Intern**
- May 2019 - August 2019
    - Designed HMI for a large data center to show and maintain precise measurements of all necessary specifications.
    - Programmed PLCs using Ladder Logic
    - Commissioned systems to be turned over to client
    - Resolved issues on client's punch list

PROJECTS:

- g(t) gate for an LSTM in Verilog using ModelSim and Synopsys for design and verification
- Programmed mechanical music maker using arduino.
- Designed and built a digital circuit to resemble a vending machine using D flip flops and logic gates.
- Soldered, programmed, and built a miniature car controlled through an IoT module that could move based upon commands or be commanded to follow a black line course.
- Optimized scheduler for embedded systems to accurately gather data from an accelerometer.
- Programmed embedded system to interface with a touchscreen and display current output on display.

HONORS AND ACTIVITIES:

- Awarded the Simon Brown Woolard Scholarship for academic excellence in my major, 2018
- Skills: C, C++, FPGA programming, Verilog, AutoCAD Inventor, Waveforms, Embedded Systems, Analyzing/Constructing Analog/Digital Circuits, Ladder Logic, Allen Bradley PLCs, Studio 5000 FactoryTalk, and Keil uVision.
- High School: Distinguished Athlete Award (Marines), Metalworking Skills Certification (NIMS), NC Scholar, Graduated Summa Cum Laude, National Honor Society, Beta club, 6 academic bars, MVP basketball, coach's awards basketball twice, basketball team captain twice, and football team captain.