Nathan Turner

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OBJECTIVE

Seeking a position as a embedded software engineer or firmware engineer

EDUCATION

Bradley University, Peoria IL
Bachelor of Science in Electrical Engineering with Computer Option, Expected May 2024

- Overall GPA: 3.79 / 4.00

TECHNICAL SKILLS

Programming: C, C++, VHDL, HTML, JavaScript, CSS, PHP, SQL, Python
Electrical: MATLAB, LabVIEW, SPICE, DC Analysis, AC Analysis, Vivado
Design: AutoCAD, Autodesk Inventor, Microsoft Office

WORK EXPERIENCE

Hardware Engineering Intern **Northrop Grumman** Rolling Meadows, IL Summer 2023

- Collaborated on a team to implement an adaptive LMS filter on a MPSoC board using VHDL and Vivado Design Studio
- Implemented LabVIEW-based scripting for the transient testing of a power supply board

Test Engineering Intern **Belcan** Peoria, IL Summer 2022

- Performed unit testing on a universal Base Station for Bobcat heavy machinery
- Automated regression testing with the cucumber framework for a C++ desktop application
- Engineered a CAN bus parsing script using Python

Residential Advisor **Bradley University** Peoria, IL August 2021-Present

- Supervise and maintain a safe and fun environment for Bradley residents
- Plan a variety of special events and programs for my floor
- Help to resolve issues between residents

Intern **World Source** Batavia, IL Summer 2019

- Spearheaded the development and design of the company website
- Built website foundations using HTML, CSS, JavaScript, and PHP
- Fabricated SQL queries to perform data analysis on production systems
- Managed and optimized salesforce database

AFFILIATIONS

President **Institute of Electrical and Electronics Engineers (IEEE)** 2022-Present

- Lead the planning and implementation of IEEE club meetings and programs
- Organized and executed a series of high-impact events, including workshops, seminars, and guest speaker sessions
- Developed and implemented innovative strategies to promote IEEE's presence on campus, resulting in a significant increase in club visibility and recognition within the student community

Electrical Lead **First Robotics Competition (FRC)** Yorkville High School 2016-2020

- Lead a team of 12 people to design and develop a robot to compete in FRC competitions
- Utilized Autodesk Inventor and Circuit Analysis to design and implement robotic control systems
- Assisted in the construction a PID control system to autonomously control the robot
- Placed first in ranking at Midwest Regional Competition March 2019