Dylan M. Fendrich

101 Stafford Oak Dr • Jamestown, NC 27282
336-615-3965 • Dylan.fendrich@gmail.com

EDUCATION

University of North Carolina at Charlotte – Charlotte, NC

Bachelor of Science in Computer Engineering — May 2020

Master of Science in Electrical Engineering — May 2021

GPA: 3.571/4.0

***Relevant coursework*:** Electronics and semiconductors, Instrumentation and Network Laboratory, Computer Utilization in C++, Computer Engineering Programming 2(C++ part 2), Logic and Networks Lab, Computer organization, Embedded systems, Logic System Design, Signals and systems, Network Theory 1, Network Theory 2

EMPLOYMENT

Bright Plastics, Greensboro, NC

Software Contractor — June 2018 - July 2018

- Created a user form that simultaneously produced a nonconforming material placard while recording the information as a historical record
- Trained employees on the proper use of the form
- Reduced the amount of time required to complete the data by 50% through the reduction of repetitive data entry

COPUTER ENGINEERING PROJECTS

Solar Cell — March 2018 - May2018

- Transformed a 4-inch silicon wafer into a solar cell

Amplifier Project — October 2018 - December 2018

- Designed an amplifier using BJTs and MOSFETs

Line Following Car — January 2018 - March 2018

- Programmed to receivve analog signals from the sensors and to send digital signals to the motors
- Used an MSP-430 board, two sensors, two motors, and several other connections

Programming Project — October 2017 - December 2017

- Coded in C++ using arrays, pointers, header files, and functions
- Designed gin rummy video game

SKILLS

Software Languages: C++, Arduino(C/C++), Python, and MATLAB
Design Software: Multisim and PSpice
Computer: Word, Excel and PowerPoint

CAMPUS INVOLVEMENT

Institute of Electrical and Electronics Engineers (IEEE), *Member* — January 2018 - Present

Charlotte Area Robotics, *Team Member* — October 2018 - Present

- Programmed a car to move autonomously to relocate colored objects and to notify when complete
- Programmed the vison of the car using contours and color detection