

Colin DeChambeau

Electrical Engineer

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SKILLS

Circuit Design: LTSpice, MATLAB/Simulink

Programming: C/C++, Python, MATLAB

Tools: Oscilloscope, WaveForms (Analog Discovery 3), Logic Analyzer, Multimeter, Soldering

Microcontrollers: TI-MSP430, Arduino

CAD: Siemens NX

Technical Communication: Excel, Word, PowerPoint (scheduling, risk analysis, proposals, Gantt charts), LabVIEW

EXPERIENCE

Barrett's Alehouse, Bridgewater — *Food Runner*

May 2022 - PRESENT

Deliver food in a fast-paced environment, maintain up-to-date menu and layout knowledge, and assist with restocking and kitchen upkeep. Work part-time while managing academic responsibilities.

Old Colony Hospice, West Bridgewater — *Volunteer*

August 2023 - December 2023

Completed over 50 hours of service while in high school. Organized medical records and prepared information folders for nurses and hospice patients.

PROJECTS

Sensor and Alarm System

Built a light-sensitive alarm circuit using a photoresistor in a Wheatstone bridge. Amplified output with a Schmitt Trigger to trigger an LED.

EDUCATION

East Bridgewater Jr/Sr High School, East Bridgewater MA

High School Diploma -
Graduated June 2024

GPA: 4.22/4.0 (Weighted),
Top 10% of class

Varsity Athlete: Cross
Country, Indoor Track,
Outdoor Track (Captain,
State Qualifier)

National Honor Society,
World Language Honor
Society (Vice President),
Tri-M Honor Society

Rensselaer Polytechnic Institute, Troy NY

Bachelors in EE - Expected May
2028

Relevant Coursework:
Embedded Controls, Intro
to Electrical Engineering,
Physics 1, Calculus 2

