

RYAN BELMONT

(715) · 225 · 9169 ◇ ryanbelmont5@gmail.com

EDUCATION

University of Minnesota - College of Science and Engineering
Major: Computer Engineering

Expected Graduation: May 2024
GPA: 3.86

Eau Claire Memorial High School - Eau Claire, WI
High School Diploma - Valedictorian

June 2020
GPA: 4.0

WORK EXPERIENCE

Marine Electronics Summer Intern
Viking Yacht Company (Atlantic Marine Electronics)

May 2021 - August 2021
Riviera Beach, Florida

- Worked with a small team of dedicated electricians to repair, maintain, and upgrade the vast interconnected system of electrical components utilized on sport fishing yachts ranging from 35 to 95 feet in length
- Developed strong interpersonal and technical skills by working hands on with customers and management to diagnose and resolve a wide array of electrical and technical issues
- Performed professional installation of marine electronics such as satellites, receivers, radars, transducers, and radios

DESIGN PROJECTS

Custom Wood and Metal Work Shop

2017-present

- Renovated spare garage space for use as a personal design studio
- Designed, produced, and sold a wide array of woodworking and metalworking projects
- Employed many different tools ranging from saws, lathes, planers, forges, and routers to create projects serving both decorative and functional purposes
- Projects included bowls, end-grain cutting boards, fixed-blade knives, puzzle boards, and coffee tables

Bluetooth Communication

December 2021

- Utilized two Pic 24 microcontrollers, each having a 16 character keypad, a LCD display, and a HC-05 Bluetooth module to input ASCII characters, convert into strings, and display on the other device
- Incorporated an API in C to enable a user to easily implement the system in many different ways
- Employed the use of multiplexing and serial communications such as I2C and UART to send and receive information

IoT Smart Door Lock

December 2020

- Utilized a proficient understanding of microcontrollers and C++ to design and fabricate an IoT smart door lock that can be locked and unlocked either remotely via a custom login site, or in person with a push-button code
- Displayed a basic understanding of HTML web development in order to remotely lock and unlock the module, in addition to a web page to present the final project

LEADERSHIP

Theta Chi Fraternity - Housing Manager
University of Minnesota

Fall 2021-Fall 2022

- Managed the leases, maintenance, and renovation of our chapter house consisting of 21 live-in brothers
- Coordinated with alumni to ensure chapter and house security
- Participated in weekly E-Board and Chapter meetings to ensure consistent and smooth fraternal operations

Martial Arts Assistant Instructor
One Tree Martial Arts

2014-2016

- Acted as the head instructor for one junior class per week for kids ages 8-12
- Assisted head instructor with adult classes
- Attended workshops to further develop my leadership and teaching skills

APPLICABLE SKILLS

· C/C++	· Python	· MATLAB	· Verilog
· Java	· HTML	· Microcontrollers	· Linux