

# ORION CABLE

Burlington, VT | (413) 302-8464 | orionfcable@gmail.com

## SKILLS

- Java Script
- CSS
- HTML
- React
- Redux Toolkit
- React Router
- Express
- PostgreSQL
- Prisma
- **LANGUAGE PROFICIENCY:** Bi-lingual in English and Italian. Limited proficiency in Spanish.

## EDUCATION

### FULLSTACK ACADEMY

Full-Time Software Engineering Program (Graduated in April, 2024)

Full-time Remote  
Jan 2024 - Apr 2024

- Coursework: HTML, CSS, Java Script, React, Redux Toolkit, Express, SQL

### VERMONT TECHNICAL COLLEGE

Bachelor of Science in Computer Engineering

Williston, VT  
Sept 2022 - Jan 2023

- Coursework: Electrical Circuits, Java, Computer Engineering

### UNIVERSITY OF MASSACHUSETTS

Bachelor of Science in Mechanical Engineering

Amherst, MA  
Sept 2021 - May 2022

- Coursework: MATLAB, Mechanical & Industrial Engineering, Calculus, Physics, Chemistry

## PROJECTS

### DATABASE LOOKUP AND UPC SCANNER

Apr 2024

- Built a web application using React, Redux Toolkit, React Router, Prisma, file streams, and PostgreSQL to search a database of US Consumer Product Safety in Commission (CPSC) recalls and incident reports.
- Designed and seeded a PostgreSQL database using Prisma specifically for storing and managing CPSC data.
- Integrated a UPC scanner library, allowing users to scan product barcodes with their phone camera.

### ESP32 IOT

Mar 2024

- Developed a web application for real-time low latency remote control of an ESP32 microcontroller.
- Implemented WebSocket integration using Socket.IO for high-speed communication between the web app and ESP32.
- Leveraged PlatformIO and Arduino JSON library to parse incoming data from the Express server and execute commands on the ESP32.

### BIOMETRIC DOOR LOCK

May 2022

- Designed and constructed a fingerprint authentication system for secure control of deadbolt doors.
- Utilized an Adafruit fingerprint sensor and Arduino microcontroller to enroll users and control the deadbolt servo motor.
- Coded a program to store user fingerprints and provide visual feedback using an LED for successful unlocks.

## EXPERIENCE

### DC CONSTRUCTION - Construction company specializing in decks and small additions

Carpenter Apprentice

Burlington, VT  
Jan 2022 - Oct 2023

- Independently and collaboratively constructed high-quality decks, consistently meeting project deadlines.
- Utilized a wide range of carpentry machinery and tools to measure, cut, shape, and assemble materials with precision.
- Developed carpentry skills in reading and interpreting plans, framing and interior finish work.
- Increased on-site productivity by developing new workflow systems to maximize throughput and job completion.

### 42 DESIGN FAB - Custom fabrication shop focusing on museum exhibits

Fabrication Technician

Springfield, MA  
Nov 2019 - Jul 2021

- Spearheaded successful projects using wood, metal, and fiberglass to meet client specifications.
- Collaborated with team members to ensure seamless collaboration and consistently meet strict client deadlines.
- Improved fabrication shop productivity by overhauling wood, metal and assembly shop layout, installed compressed air system and improved general organization resulting in more productive work space.

## EXTRACURRICULAR EXPERIENCE

### ULTIMATE FRISBEE

Player

Boston, MA  
2015 - Present

- Selected to represent the USA National U20 and U24 teams in 2018, 2020 and 2023 at the international World Games.
- Youngest-ever player to sign a professional contract with the Boston-based pro team, Boston Glory.
- Awarded 2022 Ultiworld College Rookie of the Year as well as 2023 Ultiworld Block of the Year.