

Christopher Barry

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Bridgewater, MA

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EDUCATION

University of Massachusetts Amherst

Bachelor of Science in Computer Science

Expected Graduation: December 2022

GPA: 3.88/4

Honors/Awards: Dean's List (all semesters), AP Scholar w Distinction

RELEVANT COURSEWORK

Software Engineering

Intro to Algorithms

Search Engines

Discrete Mathematics

Introduction to Probability

Artificial Intelligence

Operating Systems

Practice and Applications of Data Management

Linear Algebra

Data Structures

PROJECTS

Employee Referral Application

September 2021 – December 2021

- Experiencing how to work in a Scrum work environment with 1-week sprints so the team can communicate consistently and making sure that everyone is working productively.
- Engineered database architecture by creating E/R diagram and implementing the database with PostgreSQL.
- Designed API endpoints to make CRUD operations on the database for employees, referrals, and positions.
- Built React components for job and referral postings that fetched data from backend using Axios.

UMass Dining Calculator (HackUMass)

December 2020

- Developed a Python script that scrapes nutrition facts from UMass Dining website with BeautifulSoup and calculates total macronutrients of foods from user input to make it easier for students to obtain nutritional info.
- Revamped user interface using Flask and Bootstrap to make it easier and more accessible for users.

SKILLS

- Programming Languages: Java, C, Python, JavaScript, HTML/CSS, SQL, C++
- Technologies and Tools: Git, Linux, PostgreSQL, Node.js, React, Express, Django, Bootstrap, Flask

CO-CURRICULAR ACTIVITIES

TJ Squared Robotics Team (FRC Team 88)

September 2018 - April 2019

Programmer

- Enhanced driving, turning, and braking capabilities with given information from Talons in robot using FRC and Java libraries so the movement of the robot is at top efficiency.
- Optimized movement path using PathWeaver whenever robot was in TeleOp mode to determine the shortest path.

EXPERIENCE

UMass Dining

September 2021 - Present

Food Service Assistant

- Served and resupplied food at different buffet stations to keep the line moving quickly.
- Took extra responsibilities outside of my job description because of the limited staff.

DoorDash

May 2021 - August 2021

Delivery Driver

- Drove vehicle to the restaurant and collected food and drinks to be able to deliver it to the customer.
- Ensured that all safety and COVID-19 procedures were adhered to during delivery to customers.

United Parcel Service (UPS)

June 2020 - December 2020

Driver Helper

- Assisted driver by bringing packages to doorsteps so driver can continue to sort packages during the busy season.