

# Christopher Barry

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## EDUCATION

**University of Massachusetts Amherst**

December 2022

*Bachelor of Science in Computer Science*

GPA: 3.93/4

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

## RELEVANT COURSEWORK

Software Engineering

Artificial Intelligence

Intro to Algorithms

Operating Systems

Search Engines

Practice and Applications of Data Management

Discrete Mathematics

Linear Algebra

Introduction to Probability

Data Structures

## PROJECTS

***Employee Referral Application***

September 2021 - Present

- Learned how to work in a Scrum environment with a 1-week sprint structure and using Trello as a Scrum board with weekly team meetings.
- Engineered database architecture by creating E/R diagram and implementing it with PostgreSQL.
- Researched how to program with React and Node.js to be caught up with the needs of the team's tech stack.

***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.
- Revamped user interface with Flask as the backend and Bootstrap/CSS as the frontend

## SKILLS

- Java, C, Python, JavaScript, HTML/CSS, SQL, C++
- Git, Linux, PostgreSQL, Node.js, React, 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.
- Optimized movement path using PathWeaver library whenever robot was in TeleOp mode.

## EXPERIENCE

***UMass Dining***

September 2021 - Present

*Food Service Assistant*

- Served and resupplied food at different buffet stations to keep the line moving quickly.
- Acquired skills outside of my job description like cleaning dishes and preparing food because of the limited staff.

***DoorDash***

May 2021 - August 2021

*Delivery Driver*

- Drove vehicle to the restaurant and collect food and drinks as listed in the order.
- Ensured that all safety and COVID-19 procedures are adhered to during delivery to customers.

***United Parcel Service (UPS)***

Summer 2020 and Winter 2020

*Driver Helper*

- Helped driver with deliveries by bringing packages to doors and sorted packages in the back of truck.