Christopher Barry

(617) 945-4920 | cwbarry@umass.edu
Bridgewater, MA
chrisbarry.org

EDUCATION

University of Massachusetts Amherst   Expected Graduation: May 2023
Bachelor of Science in Computer Science   GPA: 3.83/4, Major GPA: 3.91
<u>Honors/Awards</u>: Dean's List (all full-time semesters), AP Scholar w Distinction

RELEVANT COURSEWORK

Software Engineering	Intro to Machine Learning
Intro to Algorithms	Operating Systems
Artificial Intelligence	Computer Networks
Search Engines	Game Programming
Linear Algebra	Scalable Web Systems

EXPERIENCE

Wayfair   June 2022 – August 2022
Software Engineering Intern
- Built Datadog dashboards that monitor invoice and payment processes for the Accounts Payable FinTech team.
- Implemented runtime error logging to PHP and Python processors so the data can show on the dashboards.
- Visualized invoicing backlog using Google Data Studio with GBQ to see a status and supplier breakdown.
- Collaborated with interns in a week-long project to come up with a Wayfair furniture donation idea for locals.
- Counseled with teammates during daily standups and ticket groomings to clarify different areas of work.

Manning College of Information and Computer Sciences   August 2022 – Present
Undergraduate Course Assistant (Computer Networking)
- Grading class projects, labs, and exams to give adequate feedback to students in the provided course.
- Holding office hours and being active in discussion forums to answer student questions.

PROJECTS

Fitness Social Media Application   June 2022 – Present
- Architecting frontend side of the application to change menus and to display images, feeds, and exercises using React Native.
- Integrating the React Native with Firebase so the user can login with authentication and load images with other post or user data from the Firestore database and storage.

Employee Referral Application   September 2021 – December 2021
- Experienced 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 & January 2022
- 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 backend and React frontend to make experience simpler for user.
- Deployed application to Linode server using system daemons so users can use application on any device.

CO-CURRICULAR ACTIVITIES

BUILD UMass   February 2022 - Present
Software Engineer (Tech Lead)
- Redesigning and debugging *IUCG* website to be more user-friendly and minimalist for new visitors.
- Orchestrating scrum meetings to ensure the team is on pace to complete the project by the end of the semester.
- Communicating with client to decipher what their needs are so I can translate that to tasks on the backlog.

SKILLS

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