

Emmet Hamell

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EDUCATION

University of Massachusetts Amherst

Amherst, MA

Bachelor of Science in Computer Science, Minor in Economics

Expected May 2025

Relevant Coursework: *Data Structures, Algorithms, Programming Methodology, Computer Systems, Artificial Intelligence, Software Engineering, Data Management, Linear Algebra, Discrete Math*

EXPERIENCE

Hulu

June 2024 – Aug. 2024

Product Management Intern, Ad Platforms

Santa Monica, CA

- Defined feature scope for client incentives on the Hulu self-service ad platform
- Developed experimentation briefs for A/A and A/B testing to guide improvements in conversion rates within customizable incentive policies
- Authored detailed product requirement documents (PRDs) for 3 new features and presented product roadmaps to stakeholders

The National Center for Technology and Dispute Resolution

Feb. 2024 – Present

Software Developer

Amherst, MA

- Collaborating with a team of developers to create a disaster response app to coordinate medical personnel
- Implemented secure user authentication and data storage using Firebase
- Refined the app's UX using Flutter to improve navigation flow and reduce complexity

ThinkQ AI

Dec. 2023 – Feb. 2024

Software Engineer Intern

Remote, US

- Engineered a web scraper using Python, Selenium, and BeautifulSoup to automate the extraction of data from over 100k websites with a 95% success rate
- Utilized regular expressions and NLTK to extract and structure key insights from unstructured data
- Designed RESTful API endpoints using Flask, integrating the web scraper and enabling data storage and updates in a PostgreSQL database

PROJECTS

Promotion Management System | *Spring Boot, Java, PostgreSQL, Redis, React, Tailwind* Sep. 2024 – Present

- Built a headless promotion and coupon code management system to create, distribute, and track promotions
- Architected a microservices-based backend using Java and Spring Boot to handle promotion creation, validation, and redemption

dentalrank.us | *Node.js, JavaScript, React, MongoDB*

Apr. 2024 – May 2024

- Built a full-stack website for aspiring dental students using React and Node.js
- Established a data pipeline to update admissions data from spreadsheets

StudySpace UMass | *Node.js, JavaScript, MongoDB*

Feb. 2024 – May 2024

- Worked with a team of 7 to develop an app for UMass students to find study rooms
- Developed an automated and reusable data parsing tool to update data when class times change
- Built REST APIs using Node.js to query regarding room availability

LunchLink | *Swift, SwiftUI, Node.js, TypeScript, Firebase*

Oct. 2023 – Jan. 2024

- Developed an iOS application for users to create and manage events with friends
- Implemented secure user authentication and registration with Firebase
- Developed a RESTful API server using Node.js that provides endpoints for dispatching notifications

TECHNICAL SKILLS

Languages: Python, Java, C, C++, Swift, JavaScript, TypeScript, Dart, SQL, HTML/CSS

Frameworks: React, SwiftUI, Flutter, Node.js, Flask, Spring Boot, JUnit, pytest, FastAPI

Developer Tools: Git, VS Code, Visual Studio, XCode, Firebase, MongoDB, PostgreSQL