

Jack Bisceglia

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Education

University of Massachusetts Amherst

Amherst, MA

B.S IN COMPUTER SCIENCE, GPA: **3.96/4.00**

Expected Graduation: May, 2023

- **Achievements:** Dean's List Award 3 Semesters, Abigail Adams Scholarship
- **Relevant Coursework:** Data Structures, Systems Programming, Discrete Math, Linear Algebra

Experience

HubSpot

Cambridge, MA

INCOMING SOFTWARE ENGINEER CO-OP

August, 2021 - December, 2021

- Software Engineer on the User Interface Extensibility team.

Nuance Communications

Burlington, MA

SOFTWARE ENGINEER INTERN

May, 2021 - August, 2021

- Worked on the Research and Development team to implement and improve features on Nuance Powershare, a centralized network for sharing medical imaging.
- Decreased file sizes and transfer speeds drastically by developing a file conversion library with Java and JAXB, supporting file conversion from XML to DICOM SR.
- Built a parsing tool in Java with Apache Velocity in order to reformat Health Level Seven data, minimizing necessary computing costs on Microsoft's Azure platform.

Major League Hacking

New York, NY

MLH FELLOW

February, 2021 - April, 2021

- Participated as an Explorer Fellow to develop various projects in small teams, utilizing Agile methodology.
- Developed a VSCode extension to integrate Unsplash's stock image API into VSCode, improving the efficiency of frontend development.
- Improved ease of access to port I/O data, by building a Command Line Interface in Python to monitor traffic to and from a given machine.

Skills

Programming Languages: JavaScript, Python, Java, TypeScript, C, HTML, CSS

Web Technologies: React.js, Express.js, Spring Boot, Svelte, Flask

Tooling/Other: Node.js, Git, REST, AWS RDS, PostgreSQL

Projects

Trello Clone - React, Javascript, Express, PostgreSQL, Node.js

- Built a full-stack web app to help improve productivity with a centralized, card-based task board.
- Garnered 50+ user sign-ups on the app, and 20+ stars on GitHub upon deployment.
- Implemented a neat UI in React, simplifying the task management experience by categorically separating tasks.
- Served data with an Express REST API and PostgreSQL, allowing users to access responsibilities over time.

Battls - React, Typescript, Express, PostgreSQL, Node.js, Redux

- Developed a full-stack social media app allowing users to vote on and post polls regarding various topics.
- Built a front end app featuring a social feed of recent polls and their stats, using Typescript React and Redux.
- Implemented an Express REST API to serve and handle data dynamically, allowing user's polls and votes to persist over time.
- Persisted data in a PostgreSQL database, enabling efficient data retrieval and user authentication.

Sneaker Swipe - React, Javascript, Spring Boot, Java, PostgreSQL, AWS RDS

- Created a web application designed for users to voice their opinions on sneakers, new and old.
- Developed a front-end web app in React, featuring a slider with likes, dislikes, and a submission form.
- Handled dynamic data with a Spring Boot REST API and an MVC pattern, resulting in a neat, modular code base.
- Accommodated data persistence with AWS RDS running PostgreSQL, allowing for future scaling.