JEFFREY CHAN

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Portfolio: jeffreychan1303.github.io

EDUCATION

University of Massachusetts Lowell - Lowell, MA   **Expected May 2025**
B.S. in Computer Science - Cumulative GPA: 3.8

TECHNICAL SKILLS

Programming Languages: JavaScript, Typescript, Python, C, C++, Java
Front-End Technologies: HTML, CSS, ReactJs, Redux Toolkit, GraphQL Apollo Client
Back-End Technologies: Git, NodeJs, ExpressJs, MongoDB Atlas, Linux, Spring Boot

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EXPERIENCE

Athenahealth - Watertown, MA   **June 2023 - August 2023**
Software Engineering Intern - Fullstack Developer
- Contributed to the development of a care management feature for healthcare providers within AthenaOne.
- Designed and implemented captivating call-to-action status tags using React, resulting in increased engagement and proactive responses from healthcare providers.
- Demonstrated proficiency in the software development life cycle (SDLC), from initial coding and testing to final release, ensuring a smooth and efficient transition of the feature into production.
- Utilized an enterprise tech stack encompassing Typescript, React, and GraphQL Apollo Client for the front-end, Java Spring Boot for the back-end, and an Oracle database.
- Employed agile workflows using Atlassian Jira, Confluence, and Bitbucket, contributing to streamlined project management and effective team collaboration.

University Of Massachusetts Lowell - Lowell, MA   **September 2022 - May 2023**
Software Developer - Research Intern - Research Paper Submission
- Conducted a comparative analysis with high-performing greedy algorithms (Greedy Maximal Scheduling, Local Greedy Scheduling, and Distributed Greedy Scheduling) against our algorithm, demonstrating superior execution times, and privacy rates across various networks.
- Utilized Python to create a concise and easy-to-read comparative analysis graph, effectively displaying the data in a visually engaging context.

PROJECTS

Project Tracker - https://trackmyprojects.org/   **May 2022 - August 2022**
- Developed a feature-rich application using the MERN (MongoDB, Express, React, Node.js) stack, enabling users to efficiently create and manage teams and projects through a ticketing system.
- Utilized React, React-Router-Dom, and Material UI to create a modern and dynamic single-page application.
- Implemented JSON Web Tokens for the authentication and authorization of users.
- Integrated Redux Toolkit in the front end to manage the global state along with the asynchronous API requests.
- Created a REST API using ExpressJs and a server hosted by Render to interact with the MongoDB database.

IGN Video Player - https://jeffreychancodefoo2022.netlify.app/   **April 2022 - May 2022**
- Created a responsive and custom video player for users to navigate through a video playlist easily.
- Extracted video data such as video files, thumbnails, and video descriptions from the IGN API.

LEADERSHIP

UML Table Tennis Club President - Lowell, MA   **December 2021 - Present**
- Collaborated closely with the E-board to successfully organize, manage, and secure funding for club events.
- Recruited multiple new members into the club by actively participating in social events and introducing recreational players to Table Tennis.