Justin Newman

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PROFICIENT SKILLS

Git, Java, JavaScript, Python3, C, HTML, CSS, PHP, mySQL, R, React.js, DynamoDB, Firebase, NextAuth.js.

RELEVANT COURSES

Applied Algorithms, Web Development, Software Engineering, Computer Systems II, Database Systems, Programming Languages, Parallel and Distributed systems, Machine Learning, Linear-Algebra, Calculus I and II.

JAMES MADISON UNIVERSITY

Bachelor of Science in Computer Science.
Minor study in Data Analytics

Graduation - May 2023   GPA: 3.14

AWARDS AND HONORS

Best in Student Art.	2017
President's List.	Spring 2022
Dean's List.	Fall 2022
Dean's List.	Spring 2023

PRODUCTS

MelodifyLabs.com (Next, Firebase, Vercel) Created a full stack platform for converting user text prompts into songs. Deployed with vercel web hosting, next-generation secure authentication, OpenAI API lyric generation, uberduck API text-to-speech vocal generation. Firebase storage for mp3 file retrieval. [Live App](#)

JmuDev.com (HTML, CSS, PHP) As club leader and president, started a Web Dev Club at JMU for like minded students and educators. We frequently held group meetings and discussed different techniques for front end web development and data visualization. [Live App](#)

CSCode.org (React, Next-Auth, Tailwind CSS) Created a working full stack social media application. Implemented cutting-edge security using next auth Google authentication, Firebase administration panel, photo uploading and deletion, commenting, sharing, and liking functionalities. Profile pages and user profile photos. Used scalable systems to account for a rapidly growing community and user activity surges. [Live App](#)

AGILE DEVELOPMENT EXPERIENCE

Junior Software Engineer contracted by [Metalinguist LLC](#).   Feb 2023 - Present

[Metalinguist](#) is a client portal/digital storefront for the translation industry with CAT tool integrations. Technologies used include React, Node.js, Javascript, DynamoDB, AWS, and Python. Contributions include:

- Implemented an administrative reporting dashboard using React.js, incorporating 3D and animated elements.
- Redesigned the system following Apple HIG design guidelines, utilizing React.js and CSS to implement Gaussian blurs and implemented various light/dark themes for UI design.
- Successfully collaborated in a fully remote environment, utilizing agile methodologies such as Scrum to effectively communicate and coordinate with team members.
- Contributed creative solutions to the Metalinguist administrative team, leveraging higher-order functions and React.js features. These solutions were accepted and integrated into the final solution's feature set.
- Strengthened field validation in various parts of the system, ensuring data accuracy and integrity by implementing robust validation logic using React.js and DynamoDB.
- Optimized system performance by reducing load times through efficient data fetching techniques and leveraging appropriate APIs to enhance functionality.

Technical Operations Intern   Jan 2019 - Present

Worked alongside [Telemedia Productions](#) and [James Madison University's Director of Live Productions](#).

- Designed and implemented an automated athletic statistics rendering software that gathers individual player data for each athlete and generates ESPN-style informational graphics for live televised broadcasts. Leveraged Java and Jsoup library, processing team roster URLs to efficiently collect and present the statistics.