

Erik J Koivu

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SUMMARY

Highly motivated Computer Information Science Graduate, with a minor in Leadership, and a strong foundation in full-stack web development, particularly proficient with the MERN stack (MongoDB, Express, React, and Node.js). Possessing mastery in a wide array of programming languages including C, Java, C#, HTML, JavaScript, TypeScript, and Python, alongside experience with frameworks like Angular, Spring Boot, and .Net. Demonstrated ability to create and deploy dynamic web applications, as evidenced by a full-stack Message Board application and a personal portfolio site developed with React and Tailwind CSS. Eager to apply strong teamwork, adaptability, and problem-solving skills to contribute as a full-stack developer and continuously learn new techniques.

EXPERIENCE

Computer Science Tutor

Freelance

October 2023 - March 2025

- I provided personalized tutoring sessions primarily focused on C, Java, JavaScript, TypeScript, and Git. My clients were mainly freshmen and sophomores, with occasional sessions for juniors.
- I conducted these tutoring sessions during my free time while attending university, allowing me to effectively balance my academic responsibilities with my other responsibilities.
- This experience not only enhanced my technical skills but also honed my ability to communicate complex concepts in an accessible manner.

PROJECT

Trivia Quiz

Freelance • trivia-t226.onrender.com/ • October 2025 - October 2025

- Developed **Trivia Quiz**, a responsive MERN stack application optimized for desktop and mobile.
- Implemented six question categories (Movies, TV Shows, Music, Video Games, Fun Facts, Random) with animations and background music for an engaging user experience.
- Designed a **clean, modern, mobile-friendly interface** using Tailwind CSS.

Message Board

Freelance • message-board-pqqk.onrender.com/

- A full-stack mock social media platform developed with the MERN stack (MongoDB, Express.js, React, Node.js).
- Features include secure user authentication, post and comment functionality, and customizable profiles.
- The app is styled with Tailwind CSS for mobile responsiveness and is fully deployed on Render.

Portfolio Site

Freelance • eriks-portfolio.onrender.com/

- A responsive single-page application built with React and Tailwind CSS to showcase my background, skills, and projects.
- Designed for performance, accessibility, and clean visual presentation.

Nonprofit Web Application (Prototype)

- Developed a secure MERN stack web app for a nonprofit organization as part of a student-led team.
- The application included admin/user account management, real-time data access logging, file uploads, alert notifications, and a MongoDB-powered dashboard with dynamic charts.
- Responsibilities included building both the server and client authentication flows, implementing secure access with JWTs and cookies, setting up and maintaining MongoDB, deploying the app via Azure, and general bug fixes and improvements.
- While, the project was ultimately paused due to external factors, it significantly strengthened my skills in full-stack development, project coordination, and web security.

EDUCATION

Bachelor degree

Minor in Leadership • The University of North Florida

A.A.

Florida State College • Jacksonville, Florida

SKILLS

Skills 7: Microsoft Word, Excel, and PowerPoint

Soft Skills: Leadership, Teamwork, Time Management, Adaptability, and Organization

Styling Languages: CSS

Software Used: Git, Jira, Figma, Postman, Draw.io

Programming Languages: C, Java, C#, html, JavaScript, TypeScript, Python, PHP

Frameworks: Node.js, Express, React, TailWind CSS, Angular, Spring Boot, .Net

Databases: MongoDB, MySQL

IDE: Code Blocks, Eclipse, Visual Studio, Visual Studio Code

OS: Windows, Mac, Kali Linux
