Art Starus

401-533-1855 | me@artstarus.com | artstarus.com | linkedin.com/in/artstarus | github.com/artstarus

EDUCATION

University of Massachusetts Amherst — Amherst, MA
Bachelor of Science in Applied Mathematics, Commonwealth Honors College — *Graduation Date: Aug. 2022*

University of Massachusetts Dartmouth — Dartmouth, MA
Bachelor of Computer Science, Chancellor's List (2 semesters) — *Transfer*

CERTIFICATES

Google Project Management | *Professional Specialization Certificate* — Mar. 2024
Meta iOS Developer | *Professional Specialization Certificate* — Feb. 2024
Harvard University | *Computer Science Certificate in CS50* — Aug. 2023

PROJECTS

Personal Website | *Typescript, Next.js, TailwindCSS* — Nov. 2024 – Present
- Crafted a modern portfolio with server-side rendering, achieving perfect Lighthouse scores in performance and SEO while maintaining 90+ in accessibility and best practices
- Designed reusable components with Framer Motion animations, including an interactive project showcase and dynamic skills section, improving user engagement and code maintainability
- Implemented responsive design patterns, dark mode support using TailwindCSS, a custom image gallery system, and smooth section navigation ensuring consistent UX across all devices

CellShield | *TypeScript, React, Next.js, TailwindCSS, Neon* — Sept. 2024 – Oct. 2024
- Engineered a full-stack e-commerce platform with Next.js 14, TypeScript, and Postgres, featuring real-time order tracking and a custom phone case configurator with secure Stripe payment processing
- Developed an intuitive drag-and-drop image editor using React and Canvas API, enabling users to upload, position, and crop photos while maintaining print-quality output specifications
- Implemented a scalable codebase with robust error handling, automated email notifications using Resend API and built a responsive admin dashboard with real-time sales analytics and order management functionality

ChatChat | *JavaScript, React, Express.js, Node.js, TailwindCSS, MongoDB, Zustand* — Mar. 2024 – Apr. 2024
- Built a real-time chat app with user authentication (JWT), utilizing Socket.io for messaging and React Context for online status tracking
- Created a scalable solution for user interactions and chat history using global state management with Zustand
- Deployed on Render, with robust error handling on both client and server sides for a smooth user experience

StarCasino | *Python, Flask, Javascript, SQLite, HTML/CSS* — July 2023 – Aug. 2023
- Constructed a full-stack European roulette simulator with user authentication, real-time balance tracking, and detailed statistics tracking, demonstrating proficiency in Flask and SQLite database management
- Applied solid error handling and input validation to prevent edge cases, including negative bets, decimal values, and over-balance wagers, ensuring application security and stability
- Engineered an interactive UI with JavaScript animations and dynamic updates, while maintaining comprehensive game statistics and user session management through SQLite relationships

Movie Recommendation System | *Python, Matplotlib, NumPy* — Jan. 2022 – May 2022
- Developed a recommendation algorithm to predict user ratings for unseen movies, using a dataset of 2,000 users and 1,500 movies, with 200 held-out ratings for validation
- Used Collaborative Filtering and Matrix Factorization to address data sparsity and enhance prediction accuracy
- Achieved a Mean Squared Error (MSE) of 0.173 and Root Mean Squared Error (RMSE) of 0.417 after 500 iterations, demonstrating model effectiveness
- Collaborated with a team of 4 to design, implement, and document the project, using NumPy for data manipulation and Matplotlib for result visualization

TECHNICAL SKILLS

Languages: Python, C, Java, SQL, JavaScript, TypeScript, HTML/CSS
Frameworks: React, Next.js, Node.js, Express.js, Flask, TailwindCSS
Developer Tools: Git, VS Code, Postman, NPM, Figma, Eclipse
Libraries: pandas, NumPy, Matplotlib, jQuery