Nessim Yohros

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EDUCATION

Washington University in St. Louis, College of Arts and Sciences - *Cumulative GPA: 3.94*   St. Louis, Missouri
Bachelor of Science, Computer Science   *August 2023 – May 2027*
Honors/Awards: Dean's List
Relevant Coursework: Calculus I, Calculus II, Data Structures and Algorithms, Intro to Computer Science

EXPERIENCE

CSE 131: Introduction to Computer Science   St. Louis, Missouri
Teacher's Assistant   January 2024 – Present
- Lead weekly studio session groups assisting 80 students with programming exercises, improving class average by 10%
- Facilitate in answering questions during and after lectures, providing guidelines on assignments and class structure
- Coordinate office hours twice a week providing personalized support on coursework, programming concepts, and exam preparation
- Attend training and grading workshops, refining teaching techniques and assessment strategies

HackWashU   St. Louis, Missouri
Participant/Member   October 2023 – May 2024
- Collaborated with a team of 4 to create an application that displays detailed information of events near a user
- Focused on the React-based frontend, managing API requests from EventBrite and designing the user interface
- Managed the development of a feature that recommends nearby events based on prior user interests and interactions
- Participated in club learning activities to become familiar with using APIs and Javascript frameworks such as React and Next.js

SHPE (Society of Hispanic Professional Engineers)   St. Louis, Missouri
Member   August 2023 – Present
- Attend info sessions hosted by leading technology corporations to network and explore software engineering opportunities
- Explore various roles within the field of computer science, gaining insights on career specialization and development
- Engage in monthly meetings to discuss emerging opportunities in the STEM field and to workshop resumes

PROJECTS

LanguageBuddy | *React, Node.js, Express, Mantine, Heroku, Git*   March 2024 – April 2024
- Developed a language-learning application with Express.js and Node.js serving a translator API to a React-based frontend
- Designed interactive features such as sentence generation/translation using OpenAI API to enhance user engagement
- Linked sentences users struggled translating using flashcards which persisted in local storage
- Utilized Mantine to create modern frontend components, improving the application's aesthetics and user experience

OWdle | *React, React Query, Mantine, Supabase, PostgreSQL, Git*   May 2024 – June 2024
- Built a Wordle application with advanced game features based on the popular video game Overwatch
- Created an authentication system using Supabase to retrieve user data such as game history, statistics, and leaderboard rankings
- Implemented a frontend using React to handle API requests for character data, form submissions, and UI components from Mantine
- Leveraged React Query for optimal data fetching of game history and user information to handle stale data and side effects

Friends360 | *React, Node.js, Express, MongoDB, React Query, Mantine, Git*   June 2024 – July 2024
- Programmed a full-stack web platform for friend group map-tracking, plan making, and messaging
- Applied MongoDB to model friend groups, conversations, and user data, supplemented by react query for client-side data storage
- Tracked location and distance of users and plans on a map using google maps API and reverse geocoding
- Integrated the Stream API for instant messaging among groups with long term messaging data being persisted in MongoDB

SKILLS & INTERESTS

Languages: JavaScript, Java, SQL, Python, HTML, CSS
Frameworks: Node.js, Express.js, JUnit
Developer Tools: VS Code, Eclipse, MongoDB, Git, Supabase, PostgreSQL, Postman, Heroku
Libraries: React, React Query, Mongoose, Mantine, Redux
Spoken Languages: Fluent in English, Portuguese, and Spanish, Basic proficiency in Hebrew
Interests: Learning languages, Drawing, Video games, Skiing

Other Affiliations: Aventura Food Bank volunteer, Little Haiti community volunteer, NSU robotics builder and programmer