Xuyen Nguyen

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EDUCATION

University of Utah Salt Lake City, Utah
Bachelor of Science in Computer Science Aug. 2019 - May 2024

EXPERIENCE

Software Engineer Mar. 2024 – Present
BlueSkyTech *Remote*
- Build responsive, cross-platform websites using React, Next.js, TypeScript, and Material UI.
- Collaborate with designers and business analysts to implement high-quality, functional user interfaces.
- Utilize Redux Toolkit and RTK Query to simplify making API requests and complex state management.
- Provide ongoing support and mentorship to help new developers integrate into the team and contribute effectively.

Full-Stack Developer Nov. 2021 – June 2024
University of Utah *Salt Lake City, UT*
- Automated 100+ tasks with PowerShell scripts to interact with and manage SQL Server databases.
- Worked in a team and individually to resolve migration issues for Microsoft Exchange servers.
- Contributed to successfully migrate 100000+ user mailboxes and groups to the cloud.
- Maintained and updated the internal website using Angular, C# .Net, Bootstrap, and Graph API.

PROJECTS

Portfolio Website | *Angular 18, Angular Material UI, JavaScript, Three.js, GitHub Pages* Sep. 2024 – Oct. 2024
- Developed a responsive static website using Angular 18 and Angular Material UI.
- Integrated Three.js to display 3D models interactively.
- Hosted the website using GitHub Pages.

Signable | *React, FastAPI, TensorFlow, MediaPipe, MySQL, Amazon Web Services (AWS)* Oct. 2023 – Apr. 2024
- Built a full-stack website to teach the American Sign Language alphabet utilizing machine learning solutions.
- Trained and integrated machine learning models using TensorFlow and MediaPipe to predict signs.
- Implemented learning mechanisms and user-friendly interface using React, JavaScript, HTML/CSS and Bootstrap.
- Designed MySQL databases to store lessons, user information, and learning progress.
- Developed a REST API and implemented user authentication using FastAPI.
- Utilized AWS S3 buckets for storing and serving static files, ensuring efficient and scalable asset management.

Typing Practice | *HTML, CSS, and Javascript* July 2022
- Built a one-page web app for practicing typing with the Bopomofo keyboard layout
- Designed simple, user-friendly user interface using HTML and CSS.
- Implemented Typer-Shark-style practice mechanism using vanilla JavaScript.

ClassSchedule | *HTML, CSS, and Javascript* May 2022
- Created a wep app prototype for managing class schedules.
- Designed eye-catching user interfaces using HTML and CSS.
- Implemented class logging feature using vanilla JavaScript.

TECHNICAL SKILLS

Languages: C#, Java, Python, SQL, JavaScript, TypeScript, HTML/CSS
Frameworks: Next.js, Angular, Spring Boot, FastAPI
Library: React, Redux Toolkit, Material UI, Angular Material UI, TensorFlow, MediaPipe
Developer Tools: Git, Node.js, SQL, Azure Web Services, AWS