**XUYEN NGUYEN**

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**EDUCATION**

University of Utah Salt Lake City, Utah

Degree: Bachelor of Science in Computer Science May, 2024

**MAJOR COURSES**

Web Development, Introduction to Data Analysis, Artificial Intelligence,

Algorithms, Interactive Computer Graphics Machine Learning

**TECHNICAL SKILLS**

Angular, ASP.NET, React.js, Three.js, HTML, CSS, REST API, C#,

JavaScript, Python, Next.js, Git, Java, TensorFlow, C/C++, SQL

**EXPERIENCE**

**Software Engineer** March, 2024 – Present

BlueSkyTech (Remote)

* Incorporate frontend stacks including NextJS, Redux Toolkit, TypeScript, and Material UI to build responsive websites that are compatible with multiple devices and web browsers.
* Implement API calls for streamlined frontend-backend communication

**Full-Stack Developer** November, 2021 – June, 2024

University of Utah Salt Lake City, UT

* Automated 100+ tasks with PowerShell scripts, interacting with database systems such as SQL Server
* Worked in a team and individually to troubleshoot problems in migrating 100000+ user mailboxes and groups within Microsoft Exchange servers.
* Maintained and updated the internal website using tools like Angular, C# .Net, Bootstrap, and Graph API.

**PROJECTS**

**Portfolio Website (xuyennguyen2733.github.io/PortfolioWebsite)**

* Languages and tools: Angular 18, Angular Material 18, JavaScript, CSS, HTML, Azure Web Services, Three.js
* Description: A personal website showcasing my work experience and portfolio.

**Signable: Learn American Sign Language (ASL) with Machine Learning Solutions**

* Languages and tools: React, FastAPI, Python, TensorFlow, MediaPipe, MySQL, AWS
* Description: Trained and integrated machine learning models to evaluate ASL signs; implemented learning mechanisms; implemented user authentication; built databases; designed lesson page UI.

**ASL Detection Web App**

* Languages and tools: React, FastAPI, JavaScript, HTML, CSS, Python, TensorFlow, MediaPipe
* Description: A machine learning project integrated in a web application, allowing for collecting gesture data of the face, pose, and hands for model training as well as detecting ASL signs using trained models.

**Typing Practice**

* Languages: HTML, CSS, and Javascript
* Description: a Typer-Shark-styled web app for practicing typing with the Bopomofo keyboard layout