

Kwonyoung Lee

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EDUCATION

M.S Data Science in Computer Science, University of Texas at Dallas | Dallas, TX August 2021 - Present

Expected Graduation: May 2023

- Coursework: Machine Learning, Big Data Management, Web Programming Languages
- Society of Women Engineers (Jan 2023-Present)

B.S in Computer Science, University of Texas at Dallas | Dallas, TX August 2018 - May 2021

- Coursework: Advanced Algorithm Design & Analysis, Operating System, Database System

PROJECT EXPERIENCE

React Smooth-Scroll Portfolio - Personal Feb 2023 - April 2023

Javascript, Next.js, React.js, Tailwind

- Built on the Next.js framework for easy server side rendering and static generation, image optimization, api routes, and deployment.
- Added a smooth scroll behavior function by section to achieve a single page application with multiple sections.
- Styled entirely with TailwindCss to optimize styling processing and responsiveness.
- Developed in fully mobile-optimized and server-side rendered to ensure fast loading and a clean UI on any device.

Stock Prediction with RNN - Academic June 2022 - July 2022

Python

- Conducted data analysis and preprocessing on stock market data using Python and Pandas
- Optimized models by adjusting hyperparameters, regularization, and dropout techniques
- Developed and trained RNN model with a various activation function such as sigmoid, tangent, and Relu and evaluated and tested models using Root Mean Squared Error (RMSE)

WPL Fitness Equipment - Academic Nov 2021 - Dec 2021

Javascript, Node.js, Express.js, MongoDB

- Developed fitness equipment marketplace website. Users can register their own account, and search, filter the product by type, add to cart, and checkout the products.
- Implemented functions admin can add, update, delete products, and can control stock lists.
- Optimized the rendering and loading time by using Node.js.

Electronic Medical Record - Academic January 2021 - May 2021

Go, PostgreSQL, JavaScript, JQuery

- Built a database web solution to house information on medical procedures from hospitals in Southern India to solve the need for a way of tracking data digitally.
- Designed user interfaces using HTML, CSS, Bootstraps.
- Led a group of four and communicated effectively with the doctors to meet their requirements.

Skills

- **Languages:** Python, JavaScript, HTML, CSS, Java, C++, SQL
- **Framework & Library:** NodeJS, ExpressJS, ReactJS, AngularJS, Pyspark, Next.js, Bootstrap5
- **Tools:** Visual Studio, Databricks, Jupyter, VS Code