FuKun Yun

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PROFESSONAL SUMMARY

Frontend Developer and Data Scientist with 4 years of experience in frontend development, experimental data analysis, and machine learning. Expertise in React.js, python, and data visualization.

TECHNICAL SKILLS

Programming Languages: Python, HTML, CSS, JavaScript, SQL, Mathematica, Bash, TypeScript
Frontend Development: React.js, Next.js, shadcn
Platforms: Terminal, GitHub, VSCode, Microsoft Office, appwrite
Data Science and Visualization: NumPy, Pandas, Matplotlib

EDUCATION

Master of Science in Physics, George Washington University; Washington, DC; May 2024
- Concentration: Data Analysis and Programming.
- Relevant Coursework: Advanced Data Analysis, Frontend Development, Statistical Computing.

Bachelor of Science in Mathematics and Physics, University of California, Irvine; Irvine, CA; March 2022
- Dean's List 2018-2019, 2021-2022
- GPA 3.5/4.0

PROFESSIONAL EXPERIENCE

GEORGE WASHINGTON UNIVERSITY   **Washington, DC**
Research Assistant & Frontend Developer (June 2023 to December 2023)
- Developed frontend applications using React.js, TypeScript, and Material-UI.
- Created responsive data visualization dashboards using python.
- Implemented Node.js backend with gene database.
- Implemented machine learning algorithm with accuracy in gene interaction detection at 70%.
- Managed gene database with 1TB+ scientific data along with representing them visually.

UNIVERSITY OF CALIFORNIA, IRVINE   **Irvine, CA**
Research Assistant (September 2021 to February 2022)
- Implemented automated classification systems using Python.
- Optimized backend algorithms by reducing 35% processing time and increasing 10% accuracy.
- Created responsive design supporting multiple device types.
- Developed real-time data visualization systems with python.
- Created responsive user interfaces supporting cross-browser compatibility.

TECHNICAL PROJECTS

Interactive Film Browser with React
- Developed a website for movies using React.
- Implemented a watchlist where one can add movies into it with real-time data updates.
- Created a search engine that returns movies by name with OMDbAPI database.
- Developed details page to dynamically show the information of any given movie.

Healthcare Platform Clone with React and Next,js
- Developed a healthcare website using React.js, Next.js, tailwind, and TypeScript.
- Incorporated appwrite to record and manage data from both the patients' and the doctors' end.
- Built an admin special interface via security code using React.js and TypeScript.
- Implemented shadcn for patient registration and booking appointments with doctors.
- Created a dynamic system to allow doctors to accept and decline appointments with real-time data updates on the backend.

CERTIFICATIONS

FES certified Frontend Developer