FuKun Yun

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PROFESSONAL SUMMARY

Full-stack 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 15, Node.js, shadcn, GSAP, Vite, Three.js
Platforms: Terminal, GitHub, VSCode, Microsoft Office, appwrite, PostgreSQL
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 & Full-stack 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

Zentry Clone with React.js, Vite, TailwindCSS, JavaScript, and GSAP

- Developed a clone website for zentry.com.
- Crafted a video section featuring interactive videos where you can change them by clicking in the middle of the videos.
- Implemented a navbar that disappears when scrolling down the web page and shows up when scrolling up.
- Pieced block-themed feature showing section where different games are beautifully stacked together.
- "Arrowed" an arrow-shaped fading effect when scrolling down from the initial video interface.

YC Directory with Next.js 15, React.js, Node.js, Vite, TypeScript, Shadcn, and TailwindCSS

- Developed a website where startup companies can register and login using GitHub and post startup company information.
- Implemented a responsive search bar where users can search startup companies with keyword in their names or regions.
- Created a distinctive interface for startups that posts to check their post.
- Incorporated a posting system where users can put descriptions of their startup companies and as well upload picture links.
- Included a feature where view counters are used on each post.

CERTIFICATIONS

FES certified Frontend Developer