**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