

# Kevin Vu

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## EDUCATION

### University of Houston

*Bachelor of Science in Computer Science*

May 2026

GPA: 3.96

## EXPERIENCE

### NASA

*Software Engineer Intern*

Jan. 2025 - Present

*Houston, TX*

- Built automated GUI test suites using **Java Swing**, reducing manual testing workload by **80%**.
- Debugged and optimized pre-existing **Swing**-based tests, achieving a **10%** faster test execution time.

### NASA

*Software Engineer Intern*

Sept. 2024 - Dec. 2024

*Houston, TX*

- Worked in a team of **5** to transfer/update SPARTAN wiki database from **Semantic MediaWiki** to **Cargo**
- Transferred and updated ORION telemetry using **Python**, improving processing efficiency by **70%**.

### IpserLabs

*Software Engineer Intern*

June 2024 - Aug. 2024

*Remote*

- Designed and implemented UI for different start-up web pages using **React**, increasing user interaction by **11%**.
- Collaborated with a team of 3 to develop backend storage for user data on **100+** universities and technologies.

### CougarCS

*Computer Science Tutor*

Aug. 2023 - Present

*Houston, TX*

- Assisted over **50** students with coding assignments, projects, and homework for Data Structures and Algorithms.
- Helped students understand course material, increasing overall grades by **10%** by holding online tutoring sessions.
- Offered real-world applications to make complex topics more accessible, such as utilizing **APIs** and **frameworks**.

### Society of Asian Scientists and Engineers

*Web Developer*

Aug. 2022 - Dec. 2022

*Houston, TX*

- Collaborated with teammates to leverage **SQL** for tracking user registrations and managing payment transactions.
- Incorporated features such as event calendars, member forums, and photo galleries by using tools such as **React.js** and **Tailwind**, resulting in a **47%** increase in club visibility and membership engagement.
- Developed an event registration system by using a **Google Forms API** with **Node.js** for backend functionality, resulting in a **40%** increase in event participation due to streamlined registration processes.

## PROJECTS

### Volunteer Management App | *Python, React.js, Flask, Postgres, Supabase*

Aug. 2024 - Nov. 2024

- Built a responsive UI in **React.js** for event management, using state and component design to boost engagement.
- Developed backend using **Flask**, implementing real-time notifications and secure data storage to improve reliability and reduce load times
- Created a skills-based volunteer matching feature that improved volunteer satisfaction and engagement

### Portfolio Website | *HTML, CSS, JavaScript, React.js*

Mar. 2024 - Present

- Designed a responsive layout with **React.js** to provide an engaging experience across mobile and desktop devices.
- Employed abstraction using functional components to create reusable, coherent, concise code.
- Revamped the minimalist UI focusing on hierarchy and active whitespace, modernizing its aesthetic appeal

### CV Application | *HTML, CSS, JavaScript, React.js*

Jan. 2024

- Created an interactive website using **React.js** for users to fill out and create their CVs.
- Utilized hooks to dynamically update the user's CV application on the screen based on input.

## TECHNICAL SKILLS

**Languages:** JavaScript, HTML, CSS, Python, C/C++, Java, SQL, C#

**Frameworks:** React.js, TailwindCSS, Bootstrap, Jest

**Developer Tools:** Git, VS Code, Visual Studio, BlueJ, Codeblocks, Unity, Linux, MySQL