Paiman Nejrabi

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EDUCATION

University of California, Davis Davis, CA
Master of Science, Computer Science *Sep 2024 - Jun 2026*

University of California, Davis Davis, CA
Bachelor of Science, Computer Science. GPA 3.7 *Jun 2023*
Relevant Coursework: Object Oriented Programming; Web Programming; Advanced Algorithm Design.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS, Java, TypeScript
Frameworks: React.js, Angular.js, Express.js Node.js, MongoDB, Git, Google Cloud Platform, VUE.js

EXPERIENCE

Software Engineer Feb 2024 - Present
PerfAI.ai *Remote*
- Engineered an automated testing script in **TypeScript** and **Nest.js** to enhance API security and governance, leveraging **AI models** trained on over **15k+** public APIs, significantly reducing manual testing efforts and improving vulnerability detection accuracy by **35%**.
- Launched Governance AI and Security AI, on Product Hunt, achieving a **Top 5** Product of the Day recognition and attracting **10+** paying customers through targeted marketing and user engagement strategies.
- Implemented and launched two public-facing websites using **Vue.js**, integrating AI models via **Node.js** backend, offering limited free access to company services, resulting in a **13%** increase in revenue.

Software Engineering Intern Jun - Oct 2022
Bashpole Software INC. *Remote*
- Implemented efficient algorithms and data structures that revamped the software's processing speed by **10%**, allowing for real-time analysis and response to incoming tips.
- Enhanced software functionality using **HTML, CSS, JavaScript, and MongoDB**, and through rigorous testing and debugging, resulting in a **15%** increase in user engagement.
- Executed cloud-stored data migration from **AWS** to **GCP** using Google Drive integration, leading to a **25%** reduction in storage costs and enhancing the team's data accessibility and collaboration efficiency.

PROJECTS

Chat Web Application | *MongoDB, Express, React, Node.js* Dec 2023
- Developed a real-time messaging application using the **MERN** stack, allowing users to create accounts and add/remove friends seamlessly.
- Architected **RESTful APIs** in **Node.js** to seamlessly enable real-time communication with the **ChatEngine** library, enabling real-time messaging and improving message delivery speed by **30%.**
- Deployed a suite of messaging features enabling users to seamlessly share messages, videos, and images, increasing platform engagement.

Custom C Shell | *C, Git* Nov 2022
- Developed a command processing mechanism utilizing **exec** and **fork** commands, resulting in a high-performing shell environment.
- Improved the shell's capabilities by implementing piping functionality, allowing users to chain up to **4** commands seamlessly.

COVID-19 TRACKER | *Python* Jan 2022
- Engineered a **Python**-based data retrieval system empowering users to specify state locations and extract accurate COVID-19 case information within the last **7** days.
- Applied the **Beautiful Soup** library to dynamically gather and integrate real-time data, ensuring the system adapts seamlessly to evolving information.
- Created a user-friendly graphical interface for the application using the **Tkinter** library, resulting in seamless interaction and enhancing the overall user experience.