Fuyu Wang

fw283@cornell.edu | https://www.linkedin.com/in/fyuwang/ | https://github.com/Fuyu0930 | https://www.fuyuw.com/

EDUCATION

Cornell University *Ithaca, NY*
Master of Engineering, Computer Science - GPA: 3.65/4.00 *Aug 2023 – May 2024*

University of California, Davis *Davis, CA*
Bachelor of Science, Computer Science | Bachelor of Art, Communication - GPA: 3.94/4.00 *Aug 2019 – Jun 2023*

EXPERIENCE

Software Engineer Intern *Sep 2024 - Present*
Clinch Inc *New York, NY*
- Collaborating closely with designers and product managers to improve user interfaces, incorporating animations with Next.js and Tailwind CSS to ensure smooth and intuitive user experiences.
- Developing a ChatGPT-like AI agent frontend with LLM API integration for CSV analysis and visualization using Next.js.
- Implementing RESTful APIs with PostgreSQL and Node.js, improving the system's ability to modify both user and AI-generated data.
- Integrating third-party APIs from HubSpot, Jira, and Product Board to manage customer data, automating data export workflows and triggering notifications to enhance data handling efficiency across platforms.
- Developing dynamic CMS components using React and the Contentful API, empowering marketing teams to seamlessly update content and styles on the marketing site, streamlining post management and branding consistency.

VR Research Assistant *Jan 2024 - Present*
Cornell University *Ithaca, NY*
- Managing and maintaining a VR project for clinical exposure therapy by using Unity, ensuring stability and effectiveness.
- Addressing a range of application issues, including programming errors, deployment challenges, and networking difficulties, utilizing Normcore framework for real-time multiplayer experiences and Oculus Integration for immersive VR interactions.
- Collaborating with diverse research teams to implement new features, enhancing the functionality and user experience.

Software Engineer Intern *July 2024 – Sep 2024*
Investrio *New York, NY*
- Developed user-friendly features for a financial application on mobile and web platforms, enhancing user engagement and satisfaction.
- Created and conducted over 200 unit tests with Vitest to rigorously verify database interactions and backend logic, ensuring application security, enhancing code quality, and reducing bugs.
- Collaborated with designers and product managers to engineer dynamic and response user interfaces using Next.js and Tailwind CSS, ensuring a seamless and consistent user experience across various devices.
- Integrated RESTful APIs with Koa.js and Prisma to add new functionalities and improve scalability for increased user demand.
- Implemented an email verification service using AWS SES to authenticate user identities and facilitate updates to account information, such as passwords, name, email addresses and phone number.

PROJECTS

PassNGoal *Apr 2024 – Present*
Web Application
- Developing a soccer statistics web application offering with a social platform for user-generated content sharing.
- Leveraging Chart.js and Jinja2 within Flask to dynamically render interactive data visualizations and real-time updates.
- Building a community engagement module with CRUD capabilities, employing SQLAlchemy for efficient database interactions and user data management.
- Integrating external sports APIs to deliver tailored RESTful APIs, serving comprehensive data on leagues and teams.

Personal Website *Nov 2024 – Dec 2024*
Web Application
- Designed and developed a responsive and user-friendly portfolio website using Next.js, React, and Tailwind CSS to showcase skills, projects, and professional experience.
- Integrated OpenAI's API to create AI Assistant, leveraging prompt engineering to allow users to chat and learn about background.
- Built a ChatGPT-like frontend for the AI Assistant to ensure seamless user interaction and an intuitive conversational experience.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, C#, HTML, CSS, JavaScript, TypeScript, Dart
Frameworks and Libraries: Next, Flutter, Flask, Django, Koa, Node, React, Tailwind, jsonwebtoken
Tools and Testing: Docker, Anaconda, Unity, Figma, Git, Postman, AWS SES, Vitest, Jest, DBeaver, Jira
Databases: SQLite, Prisma, PostgreSQL