

Yanyu Chen

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EXPERIENCE

Software Engineer

05/2024 – Present

Blend Labs (NYSE: BLND)

Novato, CA (Remote)

- Designed and developed server-side and user-facing features with the MERN stack and PostgreSQL in a microservices architecture, enhancing the borrower and lender experience on a platform processing over \$5B in daily loan volume
- Spearheaded an easy-to-use configurable OneTrust cookie management integration used by large bank clients (including Wells Fargo and Truist), delivering a seamless and scalable cookie compliance solution
- Implemented additional data-prefilling mechanisms for Blend's low-code platform applications, cutting form completion time from minutes to seconds and significantly enhancing user experience while lowering dropout rates
- Led the development of API transformations bridging Blend's flagship product endpoints with its new low-code platform, enabling seamless data exchange and accelerating product integration

Software Engineer

09/2023 – 05/2024

Athena Accessible Technology

San Mateo, CA (Remote)

- Took full-stack ownership of the company's developer site based on Node.js and React.js; implemented a service layer to handle asynchronous API interactions for user authentication and customer support operations; integrated this service with React frontend components, enhancing user experience and increasing site engagement by 30%
- Engineered an admin dashboard with integrated Google Analytics for tracking user signups, logins, and support requests, providing insights for strategic decision-making and feature optimization of the website
- Created and maintained technical documentation and instructions for APIs of Athena's SDK product; prototyped 2 demo apps to assess and showcase SDK reliability and usability, significantly aiding in developer onboarding
- Initiated unit and integration tests for SDK products to identify and resolve UX issues, improving product usability

Software Engineer Intern

06/2022 – 08/2022

Athena Accessible Technology

San Mateo, CA (Remote)

- Developed an internal Python library to store functions used in daily productions with detailed documentation, achieving a 75% reduction in processing time for each file set by the simplification and aggregation of functions and processes
- Built Python data pipelines with MongoDB for processing unstructured data to help evaluate model effectiveness
- Improved the accuracy of the eye gaze reading classification model by 20% using newly selected features and models

Technology Research Intern

05/2020 – 03/2021

CITIC Securities Company

Beijing, China

- Prototyped a Python web scraper to gather crude oil data from different websites; transformed the information into useful and accessible data for the team to effectively conduct research on different chemical manufacturers
- Conducted feature engineering on datasets from different sources to more accurately predict crude oil price trends

EDUCATION

Carnegie Mellon University

Pittsburgh, PA

M.S. in Data Analytics for Public Policy and Management

09/2021 – 05/2023

Peking University

B.S. in Economics, B.A. in Arabic

Beijing, China

09/2017 – 06/2021

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Java, Python, HTML&CSS, SQL, PL/SQL, Swift, R, Stata
Frameworks & Libraries: React, Angular, Express.js, Mocha, Jest, Enzyme, Spring Boot, JUnit, Django, PyTorch
Tools & DevOps: Git, npm, Maven, Node.js, MySQL, PostgreSQL, MongoDB, Linux, AWS, Docker, Observe, Jenkins

SELECTED PROJECTS

Online Restaurant Reservation and Order System

01/2023 – 05/2023

- Developed a Django-based reservation and ordering web app, enabling seamless customer interactions and streamlined management; utilized React.js to organize the reusable components bundled by Webpack for services interaction
- Implemented services including Google OAuth, reservation, ordering, and comments in jQuery with Ajax
- Configured AWS EC2 instance to deploy the app on Apache server and MySQL database to store platform data