

Jiahao Wu

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Skills

Languages & Frameworks: TypeScript · JavaScript · C# · Go · React · Next.js · Svelte · Node.js · ASP.NET

AI & LLM: Claude API · Prompt Engineering · Few-shot Prompting · Streaming · OpenAI API · GitHub Copilot

UI & DevOps: Tailwind CSS · Figma · Claude Design · Google Stitch · Vercel · CircleCI · Jenkins · Datadog · Splunk

Data & Testing: PostgreSQL · MongoDB · Redis · RabbitMQ · Firebase · Jest · Cypress · TDD

Experience

Front-End Engineer · [Couchbase](#) New York, NY (Remote)

Nov 2022 – Feb 2026

Next.js · React · SvelteJS · TypeScript · Tailwind CSS · CircleCI · Cypress · Datadog

- Led development of a **Webhook Integration System** enabling Slack & ServiceNow to receive real-time cluster alerts, eliminating manual tracking for enterprise clients
- Pioneered AI-assisted development integrating ChatGPT, Cursor, and GitHub Copilot — standardized workflows and **cut development time by 50%**
- Built and maintained production UIs for Couchbase Capella, used by **Cisco, LinkedIn, and PayPal**
- Reduced technical debt **30% in one quarter** via systematic code review; improved test coverage with Jest & Cypress, cutting production bugs by 80%

Software Engineer · [Fiserv](#) Berkeley Heights, NJ

Nov 2021 – Nov 2022

C# · ASP.NET · .NET Core · SQL · RabbitMQ · Redis Cache · DataStax · PCF

- Built a next-gen bill pay system handling **millions of daily e-payment transactions** for Bank of America and Wells Fargo using C#, ASP.NET, and Redis Cache
- Led end-to-end delivery across multiple financial products — architecture, execution, testing, and monitoring
- Migrated legacy codebases to GitHub and implemented **Jenkins CI/CD pipelines**, improving deployment speed and reducing maintenance overhead
- Mentored **5 junior engineers** on C#, SQL, ASP.NET — improving team productivity and reducing onboarding time by 50%

Projects

Distill — AI Stock Analysis App · distill-justinwu1.vercel.app

2026

Next.js 16 · TypeScript · Claude Sonnet 4 · Tailwind CSS · Claude Design · Google Stitch · Vercel · Yahoo Finance API · Polygon.io

- Built a stock analysis web app converting SEC filings and earnings into plain-English **9-question investment framework** using Claude Sonnet 4 with few-shot prompting and structured JSON output
- Engineered real-time company search across Yahoo Finance & Polygon.io with a **custom relevance ranking algorithm**; prototyped UI with Claude Design and Google Stitch before converting to Next.js
- Designed **response caching (24hr TTL)** and **Tavily search pipeline** to reduce per-analysis token cost from ~\$0.75 to ~\$0.15 at scale

Education

B.S. Computer Science — Brooklyn College | 2017 – 2021