Bob Tianqi Wei

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Education

University of California at Berkeley, College of Engineering Aug 2023 – Dec 2024
M.Des in Human-Computer Interaction Distinguished Scholar, 3.66/4

Tsinghua University, Academy of Arts and Design Aug 2019 – Jun 2023
B.A. in Industrial and Product Design 3.71/4

Technical Experiences

Design Engineer, eTopus Technology Inc. San Jose, CA Oct 2025 – Present

- Owned UI/UX and frontend delivery for OpSyn, an internal enterprise AI agent, translating Figma design into pixel-accurate production React+Vite UI with responsive layouts, reusable components and consistent typography and spacing
- Implemented core chat workflows including streaming responses, file uploads, session sharing and feedback modals
- Built agent trace and citation UX with a source list and inline highlights that surfaces referenced documents and quotes; shipped a feedback loop and fixed API integration to persist feedback and reflect submission state in UI
- Designed and shipped hierarchical KPI and robotics debug dashboards, defining navigation and page layouts from high level overviews to drill down views

Frontend Engineer, Create, Inc. Contract, San Francisco, CA Jul 2025 - Sep 2025

- Shipped high-fidelity marketing sites supporting the launch of *Anything*, Create's new AI app builder, collaborating closely with design and founding team: Site, Affiliate Program, Brand Resources
- Converted Figma specs into pixel-accurate, responsive React UI with TypeScript; established reusable components, fluid spacing/typography, and design token aligned styling for multi breakpoint layouts
- Refined internal AI agent pipelines for *Anything*, designing prompts that translate user-submitted images into code
- Contributed to QA of an unreleased product line, focusing on UI quality and UX consistency
- Helped the launch story and site quality that supported revenue growth to **$1M ARR in Q3 2025**.

Research Engineer, Berkeley Institute of Design Lab, UC Berkeley EECS, Part-Time Nov 2023 - Present

- Developed ArtiFactor, an AI-powered creative workflow platform integrating multi-agent orchestration, LLMs, and multimodal ML models to support intelligent content generation and analysis
- Designed a semantic knowledge base system with vector embeddings. Architected full-stack systems using React, Node.js, and Python Flask microservices, with real-time agent triggering, workflow automation, and Dockerized ML backends
- Collaborated with designers, engineers and researchers to bridge AI/ML capabilities with intuitive UX

Projects

PartSelect Chat Agent - AI Agent for E-Commerce Customer Support (React, Node.js, Pinecone) Jun 2024

- Engineered a production-ready e-commerce AI agent using DeepSeek, React, and Node.js to support customer service
- Integrated Pinecone vector DB (1536-dim embeddings) enabling semantic search and compatibility checks
- Built intelligent query preprocessing and multi-modal response generation, handling part/model number recognition, troubleshooting, and step-by-step installation guidance
- Delivered a fully functional prototype with <3s response latency, <2% error rate, and full mobile optimization within 48 hrs

GAF Sales Intelligence Platform - AI Agent for B2B Sales Insights (Python, FastAPI, Streamlit) Jul 2024

- Designed and implemented a modular data pipeline to scrape, process, and enrich public contractor data
- Built a role-based web dashboard with interactive map visualizations and CSV export, enabling sales teams to prioritize leads and tailor outreach strategies
- Developed robust backend APIs and database models, ensuring scalable integration, efficient data retrieval

Ekphrasis – AI Feedback Tool for Graphic Design Education (Jupyter Notebook, HTML, Python) Aug 2024 - Jan 2025

- Designed an AI-powered interactive tool offering visual feedback to help students understand abstract design concepts
- Conducted user research and thematic analysis with 11 educators to identify language barriers in design critique
- Developed an Interface and a machine learning model to generate contextualized visual examples based on students' work
- Improved learning outcomes for novice designers through real-time, visual, and context-aware design aids

Skills

Programming & Frameworks: Python, JavaScript (TypeScript), React, Node.js, Flask, Express
AI/ML & Data: LLM APIs, Prompt Engineering, CLIP, Vector Databases (Pinecone, SQLite), Docker, Git
Design & Prototyping: Figma, Adobe Creative Suite, Interaction Design, User Research, Rhino