Jinbin Huang (a.k.a JayBee 黄)

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SUMMARY

Growth-focused Data Scientist & Engineer with a track record of driving user acquisition and engagement from the ground up. Grew a personal tech brand from **0 to 60k+ followers in 6 months** by designing and running rapid content experiments. Launched and scaled a new AI product, Kangzhidao, to **400+ MAU in its first week** by optimizing for product-led growth and social virality. Expert in turning user-AI interaction data into actionable strategy to improve activation, conversion, and retention.

EDUCATION

Ph.D. Computer Science   *Aug 2019 - Dec 2024*

Arizona State University, Tempe, AZ

Thesis: Explain, Simplify, and Integrate Artificial Intelligence with Visual Analytics

B.S. Mathematics   *Aug 2014 - Jun 2018*

Sun Yat-Sen University

PROFESSIONAL EXPERIENCE

Lead Research Scientist

Epsilon Data Management   *Oct 2024 - Present*

- **Agentic AI Framework:** Architected and deployed an agentic AI framework that transformed a complex UI-based visualization tool into a chat-based workflow. This initiative **reduced time-to-insight for enterprise clients by an estimated 40%** and directly led to a **10% increase in user engagement** with the analytics platform in the first month post-launch.
- **Headless API Refactoring:** Co-lead the 'headless' refactoring of the core analytics engine into a modular API. This strategy **unblocked new product integration pathways** and was foundational to a roadmap aimed at **increasing adoption by 25%** across new user segments.

PROJECTS

Kangzhidao   *Founder & Lead Growth Engineer*

- Launched and scaled an AI-powered physical therapy chatbot from **0 to 430+ Monthly Active Users (MAU) within 1 week**, demonstrating rapid product-market fit.
- Designed and executed a **product-led growth (PLG) strategy** centered on social referral loops, analyzing user sharing patterns with SQL to optimize the viral coefficient.
- Built the complete analytics pipeline from scratch to track the full user funnel (**activation, engagement, retention**) and identify opportunities for A/B testing.

JayBee 黄 (Social Media Brand)   *Growth & Content Strategist*

- Executed a data-driven content strategy, growing my own tech-focused brand from **0 to 60,000+ followers in 6 months** across multiple platforms.
- Developed a custom analytics framework to model video performance. Ran rapid **A/B tests** on content formats and topics, improving the view-to-follower **conversion rate by 3x**.
- Systematically treated content creation as a series of growth experiments, using real-time momentum data to pivot strategy and maximize audience acquisition velocity.

SELECTED PUBLICATIONS

- **Jinbin Huang**, Aditi Mishra, Bum Chul Kwon and Chris Bryan, "ConceptExplainer: Interactive Explanation for Deep Neural Networks from a Concept Perspective," *IEEE Transaction on Visualization and Computer Graphics (2022)*.   Link
- Aditi Mishra, Bretho Danzy, Utkarsh Soni, Anjana Arunkumar, **Jinbin Huang** and Chris Bryan, "PromptAid: Visual Prompt Exploration, Perturbation, Testing and Iteration for Large Language Models," *IEEE Transaction on Visualization and Computer Graphics (2025)*.   Link

TECHNICAL SKILLS

Vibe Coding: Cursor, Claude Code, Codex, super claude, task master
Programming Languages: Python, SQL, JavaScript, TypeScript, Bash
Data MLOps: Docker, PostgreSQL, Google Cloud
Front-End: React, Next.js, Node.js, HTML, CSS, Tailwind CSS, D3.js