Hongjun Wu

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EXPERIENCE

AI Toolkit for Job Seekers.

Brownie AI • *Co-Founder, CTO* • 2023 - 2024 • San Francisco, CA

(ApplyTailor - An AI job application toolkit that tailors application materials to each job description.)

- Co-developed **ApplyTailor**, an automatic RAG-based AI resume & cover letter generator application.
- Users can input a job description and receive an AI-generated resume and cover letter.
- Responsible for AI in Python, job post web scraper, and analytic tools in MixPanel and LogRocket.
- Additionally, overseeing UI/UX & product design in Figma and front end in React & TypeScript.
- ApplyTailor acquired 3,700+ users during the 2-month pilot launch, featured in the Cornell Johnson - Smith Institute Newsletter, and was selected for the Y Combinator W24 interviews.

AI Chat Bot for Construction.

Trunk Tools • *Machine Learning Software Engineer* • 2023 • New York, NY

(TrunkText - an LLM-based tool for construction workers & on-site construction managers.)

- Co-developed & validated pipeline design and model selections for **TrunkText**.
- Contributed to a Retrieval Augmented Generation tool that utilizes a large language model.
- Developed data embedding organization using vector database & designed data experiments.

AI Tool for Venture Capital.

Lerer Hippeau • *Artificial Intelligence Engineer* • 2023 • New York, NY

(Automatic company information scraper & analytic internal tool, based on GPT-4 and Affinity database)

- Wrote a Python scraper system that automatically analyzes 50+ startup's websites per week.
- The toolkit automatically tags the startup's category and writes analysis with RAG-based AI.
- Developed an interface to the Affinity database to automatically populate info to Affinity.

Indie Game Development.

Super Fly VR • *Co-Founder, Game Artist* • 2020 - 2022 • Seattle, WA

(Popular VR superhero simulator game on Steam, Vive Port, and itch.io. Fostered a strong VR player community)

- Managed all aspects of game dev. Game design, programming, testing, and marketing.
- Integrated game testing tools and frameworks, including Unity Test Runner.
- Sold 63,000+ copies, made $360,000+ revenue, rated 480+ Very Positive on **Steam**.
- Community with 200+ players on Discord and multi-million **YouTube** gameplay views.

EDUCATION

Cornell University – Cornell Tech • **MSc – Information Systems**

(Ranked #1 Best Information Science program in New York and #8 in the USA by College Factual)

- Advised by Volodymyr Kuleshov (co-founder of Afresh), an established researcher in generative models.
- Lead developer of "Rhino Circular", won the **2021 Zumtobel Special Prize for Innovation** (€20,000).
- Produced the textbook & online course for Cornell Tech's Advanced Machine Learning courses.
- Received Cornell Tech Connective Media Fellowship ($30,000) for outstanding achievements.

Technion – Israel Institute of Technology • **MSc – Applied Information Science**

(Ranked #1 in Best Engineering College in Israel by US News and one of the top universities in the Middle East)

- Co-founded a startup company "TrackAir". Selected as Cornell Tech's 2022 Startup Award finalist.

University of Washington - Seattle • **BA – Interdisciplinary Visual Art**

(Ranked #6 best university in the world by US News, top 1% art program in USA by College Factual)

- Co-founded an indie game **SuperFly VR**. Sold over 20,000 copies and is rated "Very Positive" on Steam.

TEACHING

Applied Machine Learning (Cornell Tech) • *Producer* • **Open Course Website** • **Online Textbook**

(Graduate-level open machine learning course by Cornell that explores ML using math and statistics)

Deep Generative Models (Cornell, Stanford, UCLA, Caltech) • *Producer* • **Open Course Website**

(Ph.D. level open Deep Generative Models course that systematically explores this state-of-the-art topic)