Jessie (Huiyu) Jia

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EDUCATION

Cornell University — Ithaca, NY
B.S. Computer Science, Minors in AI and Film — GPA: 4.02 — *Expected May 2026*

SOFTWARE ENGINEERING

National Grid — Brooklyn, NY
Business Analytics Intern — *Summer 2024*
- **Agile**: Used Jira to manage project workflows.
- **SQL, Python**: Queried Snowflake for analytics and automated testing with Python.

Footprint Analytics — Guangzhou, China
Software Engineering Intern — *Summer 2023*
- **ML**: Trained models (logistic regression, random forest) to detect sybil addresses.
- **SQL dashboard**: Analyzed crypto data and built dashboards.
- **LLM**: Prompt engineered GPT-4 agent for crypto queries.

CREATIVE & COMMUNICATIONS

Cornell PMA — Ithaca, NY
Videographer & Podcast Co-Host — *2023–Present*
- **Editing & Social Media**: Edit trailers, archival footage, and promotional videos for Instagram and YouTube.
- **Podcast Hosting**: Co-host the official Cornell PMA Podcast, facilitating conversations on arts, media, and student life.

Independent Filmmaking — Ithaca, NY
Director of Photography, 1st AC, Gaffer, Sound — *2023–Present*
- **Portfolio**: Full videography portfolio available here.

RESEARCH

Multi-agents LLM — Cornell University
Human-Computer Interaction — Advisor: Qian Yang — *Spring 2024 - Present*
- **ReactJS, API calls**: Implemented a code-free chatbot for social scientists to generate social media feeds and make modifications to the Truman Platform.
- **LLM Multi-Agents**: Investigated multi-agent frameworks such as MetaGPT and MemGPT and explored performance differences between Claude and multi-agent frameworks.

Few-Shot Robot Learning with Diversified Simulated Environments — Cornell University
Robotics — Advisor: Kuan Fang — *Fall 2024 - Present*
- **Real2Sim**: Aligned controllers to achieve similar behaviors in simulation using ManiSkill and real-world robot data from the DROID dataset.
- **Data Collection**: Diversified simulation by importing assets from YCB and PartNet Mobility and generating point clouds from exisitng datasets.

PC / Mobile Game Design — Cornell University
Game Developer— Advisor: Walker White — *Spring 2024*
- **Java, LibGDX**: Developed a PC escort platformer game *S.A.M.S.A.*
- **C++, CUGL (engine API)**: Co-developed a mobile party platform runner inspired by *Ultimate Chicken Horse*: *Sweet Sweet Betrayal*

SKILLS

- **Programming Languages**: Python Java, JavaScript, PyScript, C, Swift, SQL, HTML/CSS
Frameworks & Applications: ReactJS, Flutter, TensorFlow, PyTorch, OpenCV, Mujoco, Gym, ManiSkill, MetaGPT, Snowflake, RESTful APIs, Premiere Pro
Languages: English (Fluent), Mandarin (Fluent), Cantonese (Limited), Spanish (Limited)