ALLEN LU

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Education

New York University | Tandon School of Engineering – Brooklyn, NY
- B.S. in Integrated Design & Media (IDM)
- Activities: Honors Program, Urban Food Lab, NYU Motorsports, EcoReps

Professional Experience

Senior Creative Engineer | IPG Health – New York, NY   June 2020 – Present
- Brainstorm with creative teams and elevate ideas with emerging technology & innovation
- Research and stay informed on the latest technological trends (A.I., spatial computing, gaming etc.)
- Rapid prototype & develop multimedia solutions for conference booths and digital environments
- Create immersive web apps and websites for doctors and internal teams using React & HTML/CSS/JS
- Produce voice & chat solutions through NLU/NLP models, utilizing Conversational and Generative A.I.
- Lead in-office client tours, presenting team capabilities and offerings
- Facilitate in-office workshops on emerging technology, such as Generative A.I.

Facilitator - AIxAnimals | Sentient Futures, New York, NY   Oct 2025 – Present
- Lead weekly discussion groups exploring the intersection of AI safety and animal ethics
- Support participants in engaging with readings and activities on moral reasoning and impact assessment
- Cultivate an open, reflective learning environment that promotes dialogue and diverse perspectives

UX/UI Designer & Researcher | ClearOPS – Brooklyn, NY   Feb 2020 – May 2020
- Performed usability testing on the ClearOPS web application and compiled 12-page usability report
- Designed low and high-fidelity wireframes and interactive prototypes to be discussed with team
- Collaborated with developer to implement UI changes (based on wireframes) using React.js

Professional Projects

Pawlicy Pal | Electric Sheep Futurekind AI Fellowship – New York, NY   May 2025 - Present
- Engineered full-stack application, ensuring seamless integration across all layers of the system
- Integrated Google's Gemini LLM with RAG pipeline to retrieve domain-specific documents from vector database, improving response accuracy and relevance
- Collaborated with UX designer to implement user research findings, enhancing usability and engagement

DELCI Digital Ambassador | IPG Health – New York, NY   Dec 2021 – Dec 2023
- Implemented frontend and backend of DELCI, a virtual assistant chat solution for doctors
- Programmed desktop, mobile, and tablet environments using React.js, ensuring responsive design
- Developed Conversational A.I. backend using Dialogflow ES fulfillment, mapping intents and entities

Skills

Programming - HTML/CSS/JavaScript, React, Next.js, Tailwind, Processing, p5js, Godot (game dev)
Programming (backend) - Python, Node.js, FastAPI, SQL, Supabase, Azure Devops, Docker
Creative Technology & Related – Spatial Computing, Arduino, Raspberry Pi, 3D printing
AI Safety - AGI strategy, Technical AI Safety, AI Alignment, defensive layers, d/acc, threat models, scalable oversight
Generative AI - ChatGPT, Claude, Copilot; Dialogflow ES/CX
Digital Media - Clip Studio Paint; Adobe: Photoshop, Illustrator, Figma, Premiere Pro, After Effects
Community Building & Organizing - Policy team leadership, Hackathon coordination, Course facilitation