Kaiji Fu

CS@UNC

Objective

I leverage technology to change the world.

Experience

FOUNDER/GENERAL SAFETY, LLC   2023-PRES.

I founded a startup to build a smarter stop-arm camera for 100X less than competitors ($30 vs. $3,000). I lead a team of five to prototype an IoT-capable camera, a web interface, and cloud infrastructure, all in less than 3 months. We're coordinating closely with stakeholders and are now working on deploying our product on Pitt County Schools' more than 200 buses. Received a $1,000 grant from Amazon

LEAD AUTHOR/EAST CAROLINA UNIVERSITY   2020-2023

Researched and wrote a paper on the challenges and opportunities that federated machine learning presents in the field of healthcare data analysis. I presented my findings at East Carolina University's ISS Symposium.

RESEARCH ASSISTANT/HOI POLLOI LAB   2024-PRES.

Working with the Hoi Polloi Lab at UNC on using deep neural networks and computer vision to analyze higher-order species interactions.

REGULAR CONTRIBUTER/DAILY REFLECTOR   2023-PRES.

Regularly featured voice on issues ranging from technology to economic policy. Recent piece on NC's dangerously vague self-driving car laws prompted a state senator reach out and say that they were considering tightening current regulation.

SOFTWARE/R&D/PITT PIRATES ROBOTICS   2022-2024

Trained a deep neural network with PyTorch to achieve real-time game piece detection. I also built the team's website.

Skills

- Software development

- Computer vision

- Machine learning/AI

Contact

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- 252-267-0412

Education

BS COMPUTER SCIENCE/UNC CHAPEL HILL

4.0 GPA, Honors Carolina, Carolina Scholar