Zhiyu An

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Research Statement

My research focuses on algorithms that enable autonomous agents to learn complex behaviors efficiently and safely. My current focus is on developing data-efficient building control algorithms to reduce energy consumption in cities and move towards decarbonization. I am also working to develop a comprehensive simulation of the carbon footprint from human activities. My ultimate goal is to create reliable autonomous agents that can assist us with real-world decision making and control as we address the challenge of climate change.

Education

University of California, Merced, CA

Ph.D. Electrical Engineering and Computer Science, Jan 2023 - Now

University of California, Berkeley, CA

B.A. Computer Science, Dec 2022

Academic Employment

University of California, Merced, CA

Graduate Student Researcher, 2023 - Now

Industrial Employment

Subtle Connections Inc., Berkeley, CA

Founding Engineer, 2022

- I was a software engineer of a start-up company based in Berkeley, CA, working on full-stack app-dev in React.js.

Siemens AG, Beijing, China

Intern in the Edge Computing and IT Team, Digital Industry (DI) Sector, 2021

- I built IoT data pipeline in Python and Bash for an Autonomous Guided Vehicle project.

Duolingo Inc., Beijing, China

Contractor, Digital Marketing, 2021

Beijing Aidi High School, Beijing, China

Intern, Teacher, 2021

Language

English
Mandarin Chinese

Reference

Prof. Wan Du, Assistant Professor, Dept. of Electrical Engineering and Computer Science, University of California, Merced

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