



Tristan Daniel

UX/UI DESIGNER AND RESEARCHER

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Passionate Developer with a Keen Interest in UX/UI Research and Design, Focused on the Integration of Artificial Intelligence Solutions.

EXPERIENCE

UX/UI Researcher

Georgia Tech-Shenzhen Tech4Good

Aug. 2024 – Present

- Contributing to UX/UI design and research for Tech4Good's sustainability project to monitor E-Coli levels in water supply in Malawi, Africa.
- Collaborated with React engineers to optimize current UI through Figma designing, improving user experience and responsiveness

Undergraduate Researcher

Troy University

Aug. 2023 – Jan. 2024

- Partnered research with the department of statistics to develop a solid waste prediction model to improve community sustainability.
- Utilized machine learning by sourcing public records from the metro Atlanta area as testable data in a linear regression neural network.

Undergraduate Researcher (REU)

University of Arizona

May. 2023 – Aug. 2023

- Undergraduate research funded by the National Science Foundation (NSF) on autonomous ground vehicles and improving user experience by utilizing machine learning.
- Developed a Deep Learning U-Net neural architecture utilizing Google Colab and Pytorch libraries to produce a state-of-the-art competing lane detection algorithm.
- Utilized You Only Look Once (YOLOv8) object detection model for lane classification and analysis.

CAT Vehicle (Lane Detection)
Robust neural network python program that incorporates machine learning algorithms for lane segmentation. Paired with object detection, we provide a more well-rounded and safer user experience.

SKILLS

Craft
Design Principles
Interview execution
Survey Creation
Evaluative testing

Tools/Languages
Figma, Figjam, Google Colab, JavaScript, Java, Python,C++, HTML, CSS

EDUCATION

*Master in Computer Science,
Specialization in Interactive Intelligence*
 Georgia Institute of Technology
 2024 - Present
Study abroad in Shenzhen, China

BS in Computer Science
 Troy University
 2021 - 2024