

Tadeas Lobreis

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Skills

Programming Languages:

Proficient: Python, C, Java, SQL, R, JavaScript

Experience: C++, MATLAB

Technologies:

Pandas, Tkinter, NumPy, Flask, Folium, HTML, CSS, Bootstrap, React, boto3, OpenCV,

TensorFlow, scikit-learn, jQuery, Arduino IDE, GIT

Professional Experience/ Internships

Dough-Zone | Orlando, FL | February 2022 – Present | Entry Level Software Developer:

- Developed a MATLAB script that binarized and clustered crack objects in road images. Later used this data in a Python script to convert to JSON format.
- Created a GUI in Python that pulls and displays images from an S3 bucket so that they can be sorted manually before sent to annotators.
- Used stripped geographical data from a 360 video to create a map in Folium displaying the route taken. Pins were set at every unique coordinate location that displayed a timestamp and frame of video at that point. Jinja2 was then used to convert this map to an HTML document.

Mitsubishi | Orlando, FL June 2021 – December 2021 | Embedded Software Developer/ Senior Design:

- Worked in an interdisciplinary team of software, mechanical, and electrical engineers.
- Responsible for implementing a system to transfer data and control motors/sensors in a generator inspector robot.

UCF | Orlando, FL Jan 2021 – Aug 2021 | Undergrad Researcher:

- Implemented a Python script that handled hundreds of thousands of rows of rideshare data to calculate probable electric vehicle charge time and location.
- created a k-nearest neighbor model to identify ideal places for charging stations with data from the previous script.
- Contributed to an academic research paper and complementary documentation using Overleaf.

Education

Bachelor's Degree in Computer Science, August 2022

University of Central Florida - Orlando, Florida