HARRISON WAINWRIGHT

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SKILLS

Languages: Python, JavaScript, Dart, Java
Technologies: Node.js, Flutter, Flask, REST API, Git, Docker, MongoDB, S3

EXPERIENCE

SYNTHETIK APPLIED TECHNOLOGIES – Austin, Texas (Remote)
Software Engineer - Computer Vision   *Aug 2019 – Jan 2020*
- Designed Node.js servers, Flask servers, and Python libraries to solve issues in company projects
- Generated 3D data with the Blender Python API to train machine learning models
- Implemented a Docker container with MongoDB clusters to efficiently save vehicle image data
- Expedited Git merge request times by creating robust test cases for new code
- Taught coworker about REST API creation and practices to increase team productivity

EZ-CHOW – Louisville, Kentucky
Mobile Applications Developer   *Nov 2018 – Aug 2019*
- Launched and managed multiple restaurants' mobile applications for iOS and Android using Dart and Flutter (3,500+ users)
- Addressed customer requests and implemented new functionalities within the applications to improve sales

CREATE LLC – Louisville, Kentucky
Backend Engineer   *May 2018 – Dec 2018*
- Enhanced a REST API for a mobile application to handle pdf generation
- Designed the server with Node.js and Express and hosted it on DigitalOcean

EL TORO IP TARGETING – Louisville, Kentucky
Software Development Intern/Co-op   *May 2017 – Aug 2017*
- Moderated discussions amongst team to solve issues across multiple projects
- Created a Python script to extract residency data to strengthen real estate marketing strategies

UPS – Louisville, Kentucky
Application Development Intern/Co-op   *June 2016 – Aug 2016*
- Collaborated with UPS development team and deployed an application to increase aviation efficiency

PROJECTS

TURICREATE SERVER
Endpoint for machine learning predictions   *Oct 2019*
- Utilized Turicreate within a Flask server to compute predictions (80%+ confidence) on data uploaded
- Developed a Node.js server to convert prediction data into a user-friendly format to display to users
- Integrated both servers in a Docker container for usability across different platforms

3D RENDER PYTHON LIBRARY
Python library for generating 3D for training machine learning models   *Aug 2019 – Sep 2019*
- Created Python libraries using Blender's API to generate 3D renders to train a machine learning model

GROUPME BOT
GroupMe Bot made to serve gifs and messages to users   *Apr 2018*
- Deployed a JavaScript web application using Google Apps Script incorporated with the GroupMe Bot API to respond to user requests (500+ executions/week)

EDUCATION

UNIVERSITY OF KENTUCKY – Lexington, Kentucky   *Aug 2014 – Dec 2017*
Bachelor of Science, Computer Science; Cumulative GPA: 3.8/4.0
Summa Cum Laude with Honors; Dean's List (2014-2017)