Jacob C. DuBois

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EXPERIENCE

Broad Reach Power - Houston, TX
Data Analyst Contractor, 01/2021 - Present
- Created and maintained real time dashboards using Javascript React, Node JS, and Dash Plotly
- Maintained and utilized real time SQL databases and automated python web scraping scripts using BeautifulSoup, Requests, Selenium, and Scrapy
- Designed and developed web applications using Flask and django backends, apache server management, and CSS, HTML, Bootstrap, and Javascript front ends

Akash 88 - Houston, TX
Data Analyst, 04/2020 - 01/2021
- Created python scripts to scrape and organize real time data from the NYISO power market using python libraries including Selenium and Beautiful soup
- Worked alongside AI professionals to create predictive models for the NYISO market using Darwin AI, Keras, PyTorch, TensorFlow, and Scikit-learn

Toaster Pets Inc - Pittsburgh, PA
Software Developer Intern, 01/2020 - 04/2020
- Utilized C# and Unity to design and construct 3D environments for interactive applications and games.
- Actively participated in the Quality Assurance (QA) testing process, ensuring product quality and functionality through rigorous testing and issue reporting.

Projects

EV Conversion

- Designed and created electric vehicle conversions for vintage british cars, programmed the controllers and battery management systems

Art Identification using Convolutional Neural Networks

- Using python and pytorch, created scraping software to compile a database of public artworks and trained a Convolutional Neural Network to identify art genre with 86% accuracy

Autism Standard of Living exam

- Created and published Node.js and React.js applications for medical professionals to accurately assess the success and standard of living for patients being treated for autism

EDUCATION

John Carroll University, B.S. Computer and Data Science - Cleveland, OH

- Minor in Data Science
- Minor in Japanese Language