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Jason C. Wheeler

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- SELECTED WORK EXPERIENCE**
- ◇ **TCW Strategies**, Mt. Rainier, MD *Spring 2021 - Summer 2022*  
Developed product roadmap, served as lead designer of business intelligence tools, and coordinated implementation of machine learning solutions underlying all core product offerings.
  - ◇ **Hedronstone**, Austin, TX *Fall 2018 - Spring 2021*  
Implemented and deployed machine learning models for various clients, ensuring high reliability and performance in production environments. Specialized in leveraging advanced techniques such as ensembling and transfer learning to optimize model performance.
- EDUCATION**
- ◇ **Georgia State University**, Atlanta, GA  
Bachelor of Arts Political Science. GPA 3.73/4.0
- SELECT PROJECTS**
- ◇ **Fine-Tune OpenAI Whisper for Speech Recognition Task**  
I developed cutting-edge speech recognition systems surpassing the prior state-of-the-art WER for Swahili language using a curated dataset.  
[Project Repository](#) | [Demo](#)
  - ◇ **Instance Segmentation and Object Detection**  
Pre-trained an implementation of Mask RCNN using a RESNET50 + FPN backbone from Facebook AI Research's Detectron2 library on a manually annotated dataset.  
[Project Repository](#)
- SKILLS**
- ◇ **Programming Languages:** Proficient in Python and JavaScript . Familiar with SQL.
  - ◇ **Data-Centric Modeling:** Feature selection, end-to-end learning, experiment tracking
  - ◇ **Model Optimization:** Hyper-parameterization , network optimization
  - ◇ **Deployment:** Docker containerization, AWS EC2, Google Kubernetes Engine
  - ◇ **Version Control:** GitHub
  - ◇ **CI/CD:** GitHub Actions
  - ◇ **Full Stack :** React, MongoDB, Node.js, Express
  - ◇ **LLM APIs :** OpenAI API, LangChain, LlamaIndex,