Andres M Menendez

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School and Degrees

Georgia Institute of Technology

Online Masters In Computer Science Candidate | fall 2022 | GPA: 3.90
- Specialization in Machine Learning

Bachelor of Science in Mechanical Engineering | spring 2018 | GPA: 3.13

Professional Experiences

WithHansa.com Startup Front End Developer | summer 2022 - current

React, Typescript/Javascript, Figma, HTML, Tailwind.css, Remix.run, i18n-next

- Developed, created and designed the foundational and initial front end platform for the WithHansa application
- Owned, built and implemented full multi-language support infrastructure for entire application with documentation
- Developed hooks and built connectors to third party applications and integrated their services.
- Built, and overhauled responsive and accessible user experiences for onboarding flows and dashboards.

Neeva.com Software Developer | fall 2022 - summer 2023

React, Typescript/Javascript, Figma, HTML/CSS/SASS, MJML, i18n-next, GraphQL, Golang, GPT, Python

- Implemented wide range of customer facing responsive UI pages, components and tooling with multi-language support
- Constructed and redesigned pages with A/B testing to allow for user conversion funnel analysis
- Built modal and banner notices across the entire site and application for marketing and user notices.
- Redesigned, documented and owned email workflow for customer signup flow and outreach (mailchimp, mandrill)

Branch.vote Startup Front End Developer | spring 2021 - fall 2021

React, Typescript/Javascript, Redux, HTML/CSS, AWS Lambda, Redux

- Volunteered work to help develop React.js components for Branch.vote website for dynamic forms and central UI
- Implemented an AWS Lambda hook to split audio at provided time markers and save to AWS S3 bucket

Academic Experiences

AICrowd Multi-Agent Behavior Challenge, Data Engineer | fall 2021

Python, PyTorch, Jupyter Notebooks, Numpy, Pandas

- Built supervised and unsupervised neural nets with PyTorch to predict behavioral classifications
- Designed iteratively and implemented data pipeline methods, ie loss-modules to deal with class imbalances
- Validated multiple supervised / unsupervised models via network analysis, anomaly detection, and active learning
- Presented data visualizations and scored in the top 25 performances of the MABe Challenge [1,2]

Reinforcement Learning Explorations, Data Analysis | spring 2021

Python, Tensorflow, Jupyter Notebooks, Numpy, Pandas

- Modeled and trained a DQN to solve the OpenAI Lunar Lander via TensorFlow / Keras
- Explored optimal parameter tuning with an RL agent to uniquely adapt the TD method to a simple problem
- Implemented dimensionality reduction methods, PCA, ICA, SVD and clustering in discussion paper
- Evaluated Ada-Boosting, Decision Trees, kNN, MLPs, and SVDs in discussion comparison paper

Engineering Portfolio

Website Portfolio | https://www.andmenendez.com
Github | https://github.com/andmenendez

Technical and Soft Skills

technical | Typescript/Javascript (proficient), Python (proficient), HTML/CSS/SASS/MJML/Tailwind.css (proficient), SQL (intermediate)
libraries | React, Next.js, Remix.run, Figma, Git, GraphQL, Django, Redux, AWS S3/Lambda,
other | climbing, alpinism, sailing, writing, philosophy, music production, bilingual (Spanish), barista, warhammer

[1] https://github.com/andmenendez/MABe-Challenge-Submission
[2] https://www.aicrowd.com/challenges/multi-agent-behavior-representation-modeling-measurement-and-applications/problems/mabe-task-1-classical-classification/submissions/167477
[3] Alexander Limia, et al, "A dual-stage sodium thermal electrochemical converter (Na-TEC)", Journal of Power Sources 371 (2017) 217-224