John Leddy

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jfleddy49/Resume-Projects

Berkeley, California

Objective

Looking for a project where I can apply the skills I have learned at Berkeley and at internships to a larger and different setting, continuing my learning process. My goal is to find a project that will offer me an opportunity to assist a research partner and push me to new heights.

Experience

- **Ligthwave Laser** *June 2024 - Present*
  Software Intern Santa Rosa, California
  - Developed software auto-processing and editing DXF files in the production process
  - Bundled software so it can be used on any machine
  - Analysed and rebuilt the DXF files to ease production
  - Created an user interface for production manger
- **Berkeley Student Cooperative** *January 2022 - Present*
  Various Roles Berkeley, California
  - Finance Manager - Tracked, organized, and forecast finances for one of the student coops
  - Habitability Coordinator - Enforced and ensured BSC and city guidelines for house habitability and safety
  - Workshift Manager - Managed over 400 hours of work assignments on a house wide level
  - Kitchen Manager - Organized, cleaned, and ran logistics for the kitchen of a house

Education

- **UC Berkeley** *August 2020 - December 2024*
  Data Science Berkeley, California
  - GPA: 3.63
  - Courses Taken: CS61A, CS61B, Data 100, Stat 134, Data 144, CS188, CS189, Data 101, CS170, CS70
- **Elsie Allen High School** *May 2020*
  Secondary Education Santa Rosa, California
  - GPA: 4.5

Projects

- **AI Essay Analyser: Predict Whether Essay was LLM Generated** *November 2023 - December 2024*
  Tools: Sklearn, pandas, numpy, OpenAI API, HTML, CSS [ ]
  - Collected written and generated essays from various sources including generating 4000 GPT 3.5 essays
  - Tokenized the data, then transforming it into a TF-IDF matrix, along with several other parameters to create 34000 parameters
  - Trained a neural network to produce a 90 to 95 percent testing accuracy
  - Created a user interface to have users paste in their essays and to return the prediction
- **Data Analysis For Santa Rosa City Schools: Understanding Insights From Student Performance** *July 2024*
  Tools: pandas, numpy, matlibplot
  - Processed and cleaned student performance data
  - Analyzed the cleaned data with pandas and numpy to find insights
  - Presented the data to administrators
  - Created recommendations for administrators for steps forward

Skills

- **Programming Languages:** Python, Java, R, HTML, CSS
- **Data Science & Machine Learning:** PyTorch, Sklearn, pandas, numpy, scipy, Beautiful Soup