Emily Robinson

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Chicago, IL

Education

Cornell University, College of Arts & Sciences   Ithaca, NY
Bachelor of Arts in Computer Science   May 2023

Related Courses: Foundations of Artificial Intelligence; Practical Tools for Operations Research, Machine Learning and Data Science; Theory of Algorithms; Data-Driven Web Applications; Data Structures and Functional Programming

Technical Skills

- **Programming Languages:** Python, Java, OCaml, Bash, SQL, HTML5, CSS3, JavaScript, OOP Programming
- **Libraries/Frameworks:** React, NLTK, NumPy, Pandas, jQuery, D3, TensorFlow, OpenAI
- **Tools/Platforms:** Git, GitHub, VS Code, Eclipse, Figma, Tabular, Jupyter Notebook, APIs
- **Microsoft Office Suite:** Excel, Word, PowerPoint

Work Experience

PairUp   Remote
Software Engineer Intern   June 2022-August 2022

- Developed a sophisticated **React web app** with a dynamic, togglable segmented bar graph using react-vis, providing valuable mentor-mentee pairing insights
- Created a separate React app to analyze user data using **SQL** queries, enabling in-depth evaluation of user engagement
- Extracted and analyzed user engagement stats, informing strategic decisions and enhancing platform utilization.
- Played a pivotal role in improving understanding of user behaviors and facilitating data-driven decision-making

CR Market Surveys   Remote
Website Designer & Data Analyst   September 2022-Present

- Orchestrated website overhaul, enhancing marketability and user experience
- Leveraged my expertise in **web development** and **web design** to implement strategic enhancements, optimizing site navigation, visual appeal, and functionality
- Utilized **Qualtrics**, and **SurveyMonkey** to conduct comprehensive consumer surveys, capturing valuable data on consumer behaviors and preferences
- Employed advanced **Excel** skills to synthesize and analyze collected data, extracting actionable insights that informed strategic decision-making
- Provided invaluable feedback to companies targeting specific audiences, empowering them to refine their marketing strategies and gain a competitive edge

Dev Experience

Restaurant Recommendation AI Project   Ithaca, NY
Software Engineer   January 2023-May 2023

- Assumed a leadership role within a three-person software engineering team, spearheading the development of an advanced **AI** system that leverages Yelp data to deliver highly personalized and exceptional restaurant recommendations
- Led the design and implementation of a robust **neural network model** using **TensorFlow**, incorporating Principal Component Analysis (**PCA**) techniques to dynamically adjust scoring algorithms for enhanced accuracy
- Developed a user-friendly terminal interface that seamlessly integrates with the **Yelp API**, allowing users to interact with the AI system, perform refined searches, and access personalized restaurant recommendations

Welfare Visualization D3 Project   Ithaca, NY
Software Engineer   September 2022-October 2022

- Took a leadership role in a team of 3, creating visually appealing data visualizations of average welfare in countries
- Designed an interactive choropleth map using **D3**, curating accurate data for enhanced effectiveness
- Developed programs to extract welfare details, providing valuable insights and enhancing functionality