Emily Robinson

err78@cornell.edu ● https://emilyr102.github.io
Chicago, IL

Education

Cornell University, College of Arts & Sciences Ithaca, NY
Bachelor of Arts in Computer Science Expected May 2023
GPA: 3.134

Related Courses: Foundations of Artificial Intelligence, Practicum in AI, Intro to Machine Learning, Theory of Algorithms, Data Structures and Functional Programming, Data-Driven Web Applications, Operating Systems

Technical Skills

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

Dev Experience

AI Pac-Man Project February 2023
Foundations of Artificial Intelligence, Cornell University Ithaca, NY
- Designed an AI to play Pac-Man with the option of using search algorithms (DFS, BFS, UCS, or A*)
- Included alpha-beta pruning, expectimax, and minimax algorithms to improve the AI's decision-making policy

D3 Graph Project September 2022-October 2022
Data-Driven Web Applications, Cornell University Ithaca, NY
- Collaborated to create a D3 project showcasing the average welfare in each country
- Formulated an interactive choropleth map and tailored and procured data for our project
- Initiated team meetings and conversations to share constructive feedback and promote necessary changes

Kernalized SVM Project September 2022
Intro to Machine Learning, Cornell University Ithaca, NY
- Programmed a **machine learning** kernelized SVM in **Python** with **NumPy** that classified data into groups

Work Experience

PairUp Remote
Software Engineer Intern June 2022-August 2022
- Devised a **React** web application containing a togglable dynamic segmented bar graph of user statistics using **react-vis**, which revealed to the company and users reasons behind mentor-mentee pairing decisions
- Launched a second React application to analyze user data with **SQL** and queries to the company's databases to return statistics on user engagement to help PairUp learn how frequently users were utilizing
- its platform

Cornell University Unix Course Ithaca, NY
Consultant, Cornell University January 2022-Present
- Led weekly consulting sections with over 20 students where I reviewed materials and assisted with assignments
- Participated in weekly staff meetings where I vocalized feedback

CR Market Surveys Remote
Website Designer & Data Analyst January 2022-Present
- Refined and maintained the business' website to increase marketability
- Conducted surveys with **Qualtrics** and synthesized collected data on **Excel** to form meaningful conclusions on consumer behaviors and provide feedback to companies attempting to appeal to certain audiences

Skills and Interests

Interests: Wordle, Vox's *Unexplainable* podcast, Scrabble, DIY home projects, Spades