Emily Robinson

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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
- **Tools/Platforms:** Git, GitHub, VS Code, Eclipse, Atom, Figma, Tabular, Jupyter Notebook
- **Microsoft Office Suite:** Excel, Word & PowerPoint

Dev Experience

AI Pac-Man Project | AI, Machine Learning, Python   February 2023
Foundations of Artificial Intelligence, Cornell University   Ithaca, NY
- Programmed an AI to play Pac-Man with the option of using depth-first search, breadth-first search, uniform-cost search, and A* search algorithms

D3 Graph Project   September 2022-October 2022
New York University   Ithaca, NY
- Made a heat map given NCAA Basketball games from 2018-2019 using **D3** in **JavaScript**.
- Used data joins to form colorful circles in a graph with a slider that would change their luminosity

Perceptron Project   September 2022
Introduction to Computing using Python, Cornell University   Ithaca, NY
- Collaborated with team of 4 to develop a compiler for a simple object-oriented language using Python

Work Experience

PairUp   Remote
Software Engineer Intern   June 2022-August 2022
- Constructed a **React** web application portraying dynamic segmented bar graphs of user statistics using **react-vis**; Programmed filters and toggling features, increasing customization; These visualizations gave the company and users reasons behind mentor-mentee pairing decisions
- Made a second React web application to analyze and return statistics of user engagement on PairUp's platform; Used **SQL** to form queries from the company's databases to calculate engagement

Cornell University Unix Course   Ithaca, NY
Consultant   January 2022-Present
- Holding weekly consulting sections with over 20 students
- Attend weekly staff meetings

CR Market Surveys   Remote
Website Designer   January 2022-Present
- Update the business' website periodically
Survey Analyst   January 2022-May 2022
- Conduct surveys and synthesize data taken from them

Skills and Interests

Interests: New York Times Wordle, *Unexplainable* podcast, DIY home projects