

Emily Robinson

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Chicago, IL

Education

Cornell University, College of Arts & Sciences

Bachelor of Arts in Computer Science

GPA: 3.134

Ithaca, NY

Expected May 2023

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

Foundations of Artificial Intelligence, Cornell University

Ithaca, NY

February 2023

- 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

Data-Driven Web Applications, Cornell University

Ithaca, NY

September 2022-October 2022

- 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

Kernelized SVM Project

Intro to Machine Learning, Cornell University

Ithaca, NY

September 2022

- Programmed a **machine learning** kernelized SVM in **Python** with **NumPy** that classified data into groups

Work Experience

PairUp

Software Engineer Intern

Remote

June 2022-August 2022

- Devised a **React** web application containing a **toggleable 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

Consultant, Cornell University

Ithaca, NY

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

Website Designer & Data Analyst

Remote

September 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