

# 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

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 **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

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