Emily R. Robinson

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Education

Cornell University, College of Arts & Sciences in Ithaca, NY
Bachelor of Arts in Computer Science   August 2019 - May 2023

Related Courses: Foundations of Artificial Intelligence; Practicum in AI; Practical Tools for Operations Research; Machine Learning and Data Science; Intro to Machine Learning; Theory of Algorithms; Data-Driven Web Applications; Data Structures and Functional Programming; OO Programming and Data Structures; Theory of Algorithms; Discrete Structures and Logic; Intro to Python; Intro to Combined Computational Linguistics; Intro to Operating Systems; Unix Tools and Scripting; Basic Probability and Statistics; Calculus II; Foundations in Leadership

Technical Skills

- **Programming Languages:** Python, Java, OCaml, Bash, SQL, HTML5, CSS3, JavaScript, OOP and Functional Programming
- **Libraries/Frameworks:** React, NLTK, NumPy, Pandas, jQuery, D3, TensorFlow, OpenAI, Bootstrap 4
- **Tools/Platforms:** Git, GitHub, VS Code, Eclipse, Figma, Tabular, Jupyter Notebook, APIs, Qualtrics, Alchemer, Momentive, SPSS
- **Microsoft Office Suite:** Access, Excel, Word, PowerPoint

Work Experience

PairUp | *Software Engineer Internship*   May 2022 - August 2022
https://pairupapp.com/
- Developed a **React** web app with a dynamic, togglable segmented bar graph using Uber's react-vis library, 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
- Generated user engagement statistics, informing strategic decisions and enhancing platform utilization
- Improved understanding of user behaviors through data visualizations and analysis of user statistics

Cornell University | *Teacher's Assistant for CS1110 Intro to Python*   September 2020 - May 2022
- Reviewed, assessed, and recorded student grades via the Gradescope platform
- Led in-person group sessions of up to thirty students for test preparation and homework assignments
- Provided written communications to students and staff via email and Slack platform

C R Market Surveys, Inc. | *Website Designer/Survey Programmer Internship*   May 2021 - August 2021
https://www.crmarketsurveys.com/
- Optimized site navigation, aesthetics, and functionality of the company's website leading to increased web traffic by over 25%
- Programmed and hosted consumer surveys via **Qualtrics** and **Momentive** (SurveyMonkey) software platforms
- Generated crosstabs and banner table reports via **Excel** and **SPSS** software
- Programmed mobile and laptop devices for in-person survey deployments

Independent Projects

Restaurant Recommendation AI Project   January 2023 - May 2023
https://github.com/EmilyR102/AI-Projects/tree/main/restaurant_recommendation
- Spearheaded a three-person software engineering team in the development of an **AI** system that leveraged data fetched from Yelp Fusion API to deliver highly personalized restaurant recommendations

GDP Visualization D3 Project   September 2022 - October 2022
https://github.com/EmilyR102/Web-Application-Projects/tree/main/big_projects/welfare
- Created data visualizations of GDP and life expectancy data using **D3** JavaScript library

Special Interests

Clubs: Underrepresented Minorities in Computing, Women in Computing at Cornell, Les Femmes Des Substance, Victory Apostolic Church of Christ
Interests: German (Intermediate), Wordle, Science podcasts, Spades game, foreign films