Emily R. Robinson

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EDUCATION

Cornell University   **Ithaca, NY**
B.A. Computer Science   *Graduation Date: May 2023*

WORK EXPERIENCE

NORC at the University of Chicago   **Chicago, IL**
Database Programmer   *Apr 2024 - Present*

- Create an **SSIS** process to automate the daily review of missing PIM tickets, aiming to improve process efficiency by 20% within NORC's AmeriSpeak sector and reduce manual workload, thereby reallocating valuable time to other tasks.
- Develop **SQL** scripts to update and create stored procedures, tables, and other objects in **SSMS** for large-scale projects with datasets typically exceeding 50,000 entries, enhancing data management, process efficiency, and data accessibility.
- Document functions, objects, and database standards to support adherence to best practices and ensure comprehensive, clear documentation.
- Use **Microsoft Teams** to participate in daily meetings and collaborate with cross-functional teams, ensuring alignment on project goals and timelines.
- Manage multiple tickets in Jira, an **Agile** project management tool, prioritizing and addressing tasks efficiently to ensure the timely completion of database projects and issue resolution.

C R Market Surveys Inc.   **Remote**
Data Analyst   *Jan 2021 - Apr 2024*

- Design **supervised NLP** models using **Deep Learning** techniques, employing Neural Networks and utilizing **Python (NumPy, Pandas, Keras, TensorFlow)** in **Jupyter Notebook**; conduct sentiment analysis on over 16 focus group transcripts, adding 27% more sentiment figures in client contentment reports.
- Perform optimized **SQL** and TSQL queries in Microsoft SQL Server, utilizing SSIS and SSMS for data integration, database management, and debugging tasks, leading to 15% higher accuracy in customer satisfaction reports.
- **Collaborate** within an Agile team to perform **data transformation, extraction, visualization, and summarization** on 15+ respondent **relational** databases in **MS Excel**, boosting data management efficiency by 46%.

PairUp   **Remote**
Data Analyst (Internship)   *May 2022 - Aug 2022*

- Developed **SQL** queries to extract and calculate user engagement statistics from PairUp's Google Cloud Platform **(GCP)** user database, improving app usage understanding by 39%.
- Automated the creation of bar graphs using React and JavaScript for over 100 PairUp app users, depicting their mentor-mentee compatibilities, resulting in a 62% enhancement of insights for making user pairing decisions.

Cornell University   **Ithaca, NY**
Python Teacher's Assistant   *Sep 2020 - May 2022*

- Conducted weekly in-person group sessions, providing guidance to 50+ students in test preparation and coding assignments.
- Facilitated students' understanding of programming concepts through interactive **Python** coding demonstrations and practical exercises.

SKILLS

Programming: Python, R, SQL, TSQL, Java, JavaScript, TypeScript, C, Bash Scripting

Data Analysis: Tableau, Pandas, NumPy, TensorFlow, Keras, Scikit-learn, Seaborn, PyTorch, GCP

Microsoft: MS Excel, MS Word, Microsoft SQL Server, SSIS, SSMS, PowerQuery