Talin Ray

6502898784 | talinr2@illinois.edu | linkedin.com/in/talin-ray | github.com/talinray

Education

University of Illinois Urbana-Champaign Champaign, IL
Bachelor of Science in Computer Science and Economics *May 2026*

Relevant Coursework *Data Structures, Algorithms and Models of Computation, Discrete Mathematics, Computer Architecture, Computer Systems*

Experience

Software Application Developer Intern June 2024 – Present
Workday *Pleasanton, CA*

- Personal Information & IDs Team

Software Engineer Intern January 2024 – May 2024
Ellington Management Group *Old Greenwich, CT*

- Designed and implemented ETL data pipelines using Python and C# to efficiently extract financial data from data streams to support traders' and researchers' daily operations
- Created and maintained database tables and stored procedures for financial data in MS SQL Server and Snowflake, ensuring data integrity and efficient retrieval
- Established automated monitoring and alerting systems for critical data pipelines, enabling swift identification and resolution of potential issues
- Utilized AWS computing services to automate the parsing of financial documents, improving data extraction accuracy and efficiency

Undergraduate Research Intern September 2022 – May 2023
San Jose State University *San Jose, CA*

- Collaborated closely with Dr. William Andreopoulos to developed web-based interactive model showcasing BERT activation vectors
- Implemented data analysis techniques, including the application of K-Means clustering algorithms, to efficiently categorize and structure large datasets
- Developed interactive visualizations of activation vectors utilizing the Plotly visualization library in Python
- Deployed a user-friendly Dash web application to allow greater accessibility

Undergraduate Research Intern December 2022 – April 2023
San Jose State University *San Jose, CA*

- Worked on a team to develop a specialized tool aimed at classifying complex C4 face-magic graphs
- Leveraged Java Abstract Window Toolkit (AWT) to engineer an interactive user interface, allowing users to construct graphs and assign node labels

CSSI Scholar July 2022 – August 2022
Google *Remote*

- Participated in a 4-week intensive computer science summer program for high-achieving students
- Completed project-based HTML/CSS and JavaScript curriculum instructed by Google engineers
- Configured numerous coding projects in JavaScript using Google analytics API's
- Delivered a collaborative final project presentation including a live demonstration to Google employees

Technical Skills

Languages: Python, C/C++, C#, Java, SQL, JavaScript, HTML/CSS
Frameworks: Flask, Dash/Plotly, JUnit
Developer Tools: GitHub, VS Code, Visual Studio, AWS, Snowflake, MS SQL Server, Jupyter
Libraries: pandas, NumPy, Matplotlib, Selenium, Requests