Lauren Hyde

lrhyde.github.io linkedin.com/in/lauren-hyde05 571-594-7847 github.com/lrhyde lrhyde2@illinois.edu

Education

University of Illinois at Urbana-Champaign May 2027
Bachelor of Science in Computer Science *Current GPA: 4.0/4.0*
Thomas Jefferson High School for Science and Technology June 2023
GPA: 4.526/4.0

Skills

Languages: Python, R, C/C++, Java, JavaScript, HTML, CSS, SQL, LaTeX
Tools: Git/GitHub, Flask, Node.js, Express.js, React.js, pandas, OpenCV, Mac OS, Windows OS, Vite

Projects

StoryStream | *Flask, Python, Javascript, HTML, CSS, BeautifulSoup, Git* July 2023 - August 2023
- Optimized displaying long pieces of text through parsing into paragraphs and adding styling
- Utilized BeautifulSoup Python library to scrape texts from a website and parse results
- Website was created in Flask and had login and file upload functionality

SpotifAI | *Javascript, HTML, CSS, Spotify API, Git* March 2023 – June 2023
- Designed and built interactive web interface to synthesize and display statistics from a user's Spotify account
- Pulled data from Spotify API to play songs and analyze listening data for various time ranges.
- User authentication via Spotify OAuth

RoboBoat | *Flask, Python, Javascript, HTML, CSS, Git* August 2022 - June 2023
- Worked with a team of 10 students in the Computer Systems Research Lab to build an autonomous robotic boat.
- Served as Groundstation Lead; built a frontend and backend web interface to display boat statistics and allow the user to interact with the boat by selecting task number.

Undergraduate Depression Data Analysis | *R, ggplot, dplyr, Neural Networks* July 2022 - August 2022
- Wharton Data Science Academy collaborative project
- Used statistical analysis and visualization in R to explore the risk factors and demographics of depression and other mental health issues in college undergraduates.
- Final neural network model could predict suicidal ideation in college students with over 82% accuracy

States Minesweeper | *Node.js, Express.js, HTML, CSS, Javascript, HBS* May 2022 - June 2022
- Minesweeper spinoff game created in Node.js using SVG United States map as base template
- Incorporated color-coded game cues, OAuth login functionality, and a continually-updated leaderboard

Experience & Awards

Glasgow Engineering, Math, and Science | *President* 2019-2023
Designed and facilitated creative STEM lessons for local middle schoolers; trained new members in lesson making

Girls Who Math | *Python Teacher* 2022
Taught a group of girls introductory computer science concepts over Zoom; designed labs and lectures

National Merit Scholar | *Finalist & $2500 Scholarship Winner* 2023
National award for exceptional academic performance and community impact

USA Computing Olympiad | *Silver Bracket Competitive Programmer* 2021-2023
Solved difficult, multi-step computer science problems in Java and Python under time limitation

Other Tutoring & Volunteering | *Math, Computer Science, SAT, and Physics Tutor* 2018 - 2023
Schoolhouse.world, FCPS Student Tutoring Association, TJHSST Peer Tutoring, Women in Science & Engineering

Relevant Coursework

Artificial Intelligence 1&2, Web App Development, Mobile App Development, Computer Vision 1&2, AP Computer Science A, Intro to Programming II, Calculus III, Discrete Mathematics, Linear Algebra, AP Statistics