John Tomlinson

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EDUCATION

Normal Community High school   **Normal, Illinois**

GPA: 4.37   *August ,2022- Present*

- **Coursework: AP Computer Science Principles, AP Computer Science A**
- **Awards/Honors: 2X Spanish Student of the Year, Honor Roll 5 Semesters, Student Council member**

LEADERSHIP EXPERIENCE & ACTIVITIES

LEO Club   **Normal,Illinois**

Club President, Co-Founder   *April ,2024 -Present*

- Established a local chapter by coordinating with the **sponsoring LIONS club** through monthly meetings
- Partnered with organizations like **Midwest Food Bank** to create **volunteering opportunities** for members.
- Led board to develop **interactive meeting slides and activities**.

Mock Trial   **Normal,Illinois**

Varsity Captain   *August ,2022 - Present*

- Helped conduct meetings twice a week to help teach new members the fundamentals of Mock Trial
- **Won the "Best Attorney" award** at a tournament
- Worked closely with fellow team members to improve case strategies, witness examinations, and overall performance.

Bit-By-Bit Club   **Normal,Illinois**

Middle School Mentor   *August ,2022 - Present*

- **Placed 4th** in the yearly team **coding competition** focused on problem-solving.
- **Taught fundamentals of computer science** (if statements, loops, web development, Python Turtle) to middle schoolers biweekly, fostering early interest in coding.

Projects

Jobify

- W**on 1st Place for Website Coding and Development** at Illinois FBLA State Confrence
- Built the frontend with **HTML, CSS, JS**, using AOS.js for animations.
- Helped Develop the **Python powered Django + SQLite3** backend for job postings, applications, and resumes.
- Built prompts for LLM-powered job and applicant grading system using Google Gemini API, and Geoapify API travel time.

NBA Game Prediction Model

- **Web-Scraped** data from basketball-reference.com and engineered features in the data like rolling averages, opponent stats, win percentage, and home/away factors using **Pandas**
- Used a **XG-Boost Machine Learning model** and tuned the model using Grid Search
- Built a Python app predicting current games using recent data with an 80% **accuracy (Precision Loss 85%, Win 76%)**

21 Card Game

- Developed the card game "21" using the terminal in Java
- Designed an **object-oriented** structure with Deck, Dealer, and Player classes for modularity.

SKILLS & INTERESTS

Computer: Python: BeautifulSoup, Django, Pandas, Matplotlib, **Java**, **HTML**, **CSS**, **JS**, **Git, Web-Scraping, ML**
Interests: Competitive Programming, Machine Learning, Space Exploration