Sanya Nema

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EDUCATION

University of Illinois Urbana-Champaign   **May 2024**
Bachelor of Science in Computer Science & Economics   **GPA: 3.91/4.0**
Relevant Courses: Intro to Computer Science, CS 196: Freshman Honors, Multivariable Calculus

Adlai E. Stevenson High School   **May 2020**
GPA: 4.61/5.0
Relevant Courses: AP Computer Science, AP Calculus BC, AP Physics C, Advanced Linear Algebra

EXPERIENCE

University of Illinois-Chicago   **Chicago, IL**
Research Intern   *Jun 2019 - Aug 2019*
- Developed a model database with 1000 elements to exhibit differential privacy algorithms
- Incorporated probability and statistics within database to ensure accuracy
- Researched differential privacy's impacts on user security for Fortune 500 companies

NASA Goddard Space Flight Center   **Greenbelt, MD**
Research Intern   *Jun 2018 - Aug 2018*
- Built Python program to analyze soil moisture data in South Africa acquired from SMAP satellite data
- Used matplotlib to visualize data 12+ months prior the 2018 water crisis
- Created a poster to summarize my findings and presented to peers and professors at high school symposium

LEADERSHIP & ACTIVITIES

CUBE Consulting   **Champaign, IL**
Consultant   *Sep 2020 - Present*
- Collaborating with team of consultants on a dynamic webscraper to assess industry readiness of products
- Working with BeautifulSoup library to parse webpages and create summarized reports of technologies

Future Business Leaders of America (FBLA)   **Lincolnshire, IL**
Freshman Advisor   *Sep 2016 - May 2020*
- Guided underclassmen on presentation and interview skills to encourage member development
- Participated in regional, state and national-level competitions throughout club career

Debate Club   **Lincolnshire, IL**
Research Coordinator   *Sept 2016 - May 2020*
- Advised groups of students on improving their research and speech skills
- Planned and led debate program for 40+ middle schoolers to motivate later debate participation

PROJECTS

Options Watchlist Web Application   *Sept 2020 - Dec 2020*
- Designed a mock options portfolio in Python allowing users to trade contracts and learn about options
- Implemented a web application using the Django framework to create a user-friendly display
- Retrieved data regarding stock prices and changes through Yahoo Finance by parsing their HTML code
- Cultivated quantitative strategies and knowledge of finance

Jeopardy Game   *April 2019 - July 2019*
- Built FBLA-themed Jeopardy game to educate students about important business topics
- Utilized Java to build the backend and frontend of the game
- Awarded 2nd place at state-level competition

SKILLS

Languages: Java, Python, HTML, CSS, Git, Javascript, Terminal
Frameworks/IDEs: Android Studio, Django, VSCode