CHARLES BEAM

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Mission Statement

Seeking a co-op or internship as a Software Engineer or similar position, available starting May 2022.

Education

Rochester Institute of Technology (Fall 2021 – Spring 2022) – Rochester, New York

Computer Science BS/MS

Louisiana School for Math, Science, and the Arts (LSMSA) (Fall 2019 – Spring 2021) – Natchitoches, Louisiana

ACT: Composite: 34, Super Score: 35 **Final Cumulative GPA:** 3.88 (Unweighted)

Relevant Coursework

- Programming: Java (4 years), C++ (3 years), Python (1 year)
- Computer Science: Data Structures, Graph Algorithms, Software Engineering, History of Computing, Game Design, Robotics, Web Fundamentals

School Projects

- Designed a system that allows people to write reviews of restaurants where the sentiment of the review is determined and used to rank restaurants in an area
- Created different presentations for computer science club on topics such as programming competitions, computer science job types, and places to learn programming

Extracurricular Activities

- Computer Science Club President (2020-21)
- Robotics Club (2019-2020), Co-President (2020-21)
- Engineering Club Secretary/Treasurer (2020-21)
- CyberPatriots (2017-18)
- Operation Spark (2018-19)

Relevant Experience

- **Programming Manager (2020-21)/Programming Assistant (2019-20):** Programming Manager for LAACES team at Northwestern State University. In charge of managing the program that was on the payload that we launched to the upper atmosphere (100,000). Originally was Programming Assistant where I helped program, the next year I became Programming Manager and in charge of the entire program.

Personal Projects

- **Attendance Automated System:** Designed a system and working prototype that automates school attendance and other school processes utilizing RFID technology
- **Restaurant Ordering System:** Created a simple restaurant ordering system in Python to avoid people talking to waiters without masks on in an effort to slow the spread of Covid-19
- **Graph Automation App:** Created a Python program that takes a .txt file with thousands of lines of different data points and creates a multitude of graphs.

Awards/Certifications

- **Congressional App Challenge 3rd Place (2019):** Early revision of automated attendance system
- **Congressional App Challenge Honorable Mention and Most Likely to Save a Life (2020):** Restaurant ordering system
- **LSMSA Distinction (2019-21):** Finalized version of automated attendance system

Additional Activities

- **Dutchtown High School Mentor (2018-19)**
- **LSMSA Ambassador (2020-21)**
- **Volunteered 3 hours a week cleaning LSMSA common areas (2019-21)**