Muneeb Syed

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University of California, Santa Cruz   **B.S. Computer Engineering**–Graduating 2027

Experience

Python & C Achievements & Projects, Santa Cruz, CA   **Jan. 2024 - Present**
UCSC, Computer Engineering

- Achieved A+ grades in advanced Python, C#, C++, and C courses, mastering concepts such as data structures, control flow, algorithms, object-oriented programming, recursion, and data abstraction.
- Developed an advanced calculator to compute all possible combinations of 1's and 0's for conditional statements and find all subsets within a set, integrating discrete math concepts with coding applications.
- Engineered a monster fight game utilizing class structure, inheritance, and complex algorithms, enhancing my proficiency in object-oriented programming and complex programming paradigms.
- Designed and implemented various projects including a cooking scheduler, Wordle game, and unit converter, applying programming knowledge to practical scenarios.
- Acquired in-depth knowledge of digital logic, data structures, RISC-V assembly, and computer architecture through coursework and projects.
- Achieved an A in Machine Learning: Data Analysis and Empirical Methods and gained experience in ML.

Engineering for Kids, Fremont, CA   **Apr. 2024 - Present**
Head Engineering Counselor

- Taught engineering concepts to over 200 students from 3rd to 8th grade, covering topics such as video game design with coding, electrical engineering, robotics, and mechanical engineering. These experiences sharpened my leadership, communication, and teaching skills by managing diverse learning needs and fostering a collaborative, engaging classroom environment.
- Organized and led projects independently for up to 25 kids, ensuring a safe and engaging environment.
- Recognized as "Star of the Week" 4 times; received praise from parents and supervisors for exceptional teaching, leadership, and character. Awarded for a camp game I introduced. Successfully resolved a parent pickup issue by introducing a new verification procedure.

Moore's Pumpkin Patch and Christmas Trees, Livermore, CA   **Oct. 2023 - Dec. 2023**
Ride Operator and Sales

- Operated mechanical rides and ensured safety and enjoyment for families and children by implementing safety protocols and maintaining operational efficiency.
- Directed sales and product selection of Christmas trees. Advised on tree care and suitability, leading to high customer satisfaction and repeat patronage. Managed the physical preparation, wrapping, and loading of Christmas trees onto customers' vehicles. Streamlined the process for efficiency and safety.

Green Canvas, Remote   **Jun. 2021 - Sep. 2023**
Software Developer Intern

- Played a key role in developing multiple end-to-end automated trading systems targeting NYSE and NASDAQ markets, utilizing the Alpaca Broker API. Contributed to software that identifies long and short stock trading opportunities through pattern analysis, enhancing trading efficiency and accuracy.
- Assisted in designing and implementing algorithms to predict stock price movements, based on comprehensive market data analysis. This involved deep dives into data structures and algorithms, significantly improving the system's predictive capabilities.
- Collaborated in a team setting, exchanging ideas and feedback to refine system features and performance. Contributed to a culture of continuous improvement and innovation within the team.
- Gained expertise in complex problem-solving and algorithmic thinking, leveraging advanced data structures and coding techniques to navigate and adapt to dynamic market conditions efficiently.